

FIGURE 1-A

ICAM REGION GENOMIC

>19:10203901-10296400

1	agcgagactc	cgtctcaaaa	aaaaaaaaaa	aaaaaaaaaa	gccaggcgag	gtgactcaca
61	cccataatcg	cagcactttg	ggaggccaag	gcgggcagat	cgcttgagcc	cagaagtttg
121	agatctgcct	gggcaacaYg	gcgagaccct	gtctctatga	aacaagaaaa	aagaaagaaa
181	cgaaatactg	ttccatcatt	tgccacataa	aatctaaact	ctctggtgca	gaacagactt
241	gcaaactctgc	ctgtaaaatc	atacacggga	ttttggagta	gacacacagg	aggctgattg
301	tagtggtggc	ttctgggaga	agaactgggg	ggtagggggc	acagataaga	gtagacagaa
361	ttttcactct	agtaatcttt	gtaatttttg	aaattctctc	taccaggtgt	atgaatgacc
421	aatgaaaata	tacaataggc	caggcgagct	ggctcacgcc	tataatccca	gcactttggg
481	aggctgaggg	gggtggatca	catgaggtca	ggagtcagag	gccagcctga	ccaacatggt
541	gaaaccttgt	ctctacgaaa	aatacaaaac	ttagtcaggt	agggagcatc	acttgagaac
601	aggagttcaa	gaccagcctg	gacaacaaag	caagacctct	gcctctacaa	aaaaaaaaaa
661	aaaaaaaaaa	aattgctggg	catggtggaa	catgcctgtg	gcctcagcta	cttaggtggc
721	tgcagcagag	gatcatctga	ggccaggaat	tcaagactac	agtgaactac	atcggttaca
781	ctgcactaca	gactggtaac	agggtaggat	cctgtctcaa	aaacaacagc	aacaaaaata
841	acgattaaaa	gaccttttaa	agttgcaaaa	tacatagagt	cttaaacatg	catccacagt
901	tatttattta	tttatttaga	aacggagttt	cactcttggt	gcccaggctg	gagtgcaatg
961	gtgcggtatc	agctcactgc	aacctccgcc	tcccaagtta	aaggaattct	gcctcagcct
1021	tccaagtagc	tggatttaca	ggcatggccc	accatgctcg	gctaattttg	tatttttagt
1081	aaagatgggg	ttttggcata	ttggccagga	tggtttcgaa	cccctgacct	caggtgatcc
1141	acccgcctcg	gactcccaaa	gtgctaggat	tataggcatg	agccaccacg	cccggccgca
1201	ttcagttatt	cttgcaggga	taaaatacac	aatgaaatac	actatacttt	ttgttttctt
1261	tctttctttt	tttttttttt	ttttgagaca	gagtcctact	cgctgcagtg	gctggagtg
1321	ggtgcgggat	ctcggtcac	tgcaacctct	gcctcctggg	ttgaagcgat	tctcctgcgt
1381	cagcctcccg	agtagctggg	attacaggtg	cccgccacta	cgcccagcta	atttttttgt
1441	attttttagta	gagataaggt	ttcaccatgt	tggccaggct	ggtctcgaac	tcctgactcg
1501	tgattcgccc	accttggcct	cccaaagtgc	tgggattaca	ggcgtgagcc	accgcacccg
1561	gccacatttt	tttttttttt	tttttgagac	aggatcttag	tctgtcaccc	aggctggagt
1621	acagtggcat	gaacatggct	cactgcagcc	tcaatctctt	gggttcagg	gatccttctg
1681	ccttagcctc	cccattagct	gggaccacag	gcataataca	tcacacctag	ctaattttta
1741	aatttttggg	agaggccagg	cgcggtggct	cacgcctgta	atcccagcac	tttgggaggc
1801	cgagtccggg	ggatcacctg	aggctcggag	ttcgagacca	gcctggccaa	aatggtgaaa
1861	ccctgtctct	actaaaaata	aaaaataaaa	ataaaaatta	gctgggcgta	gtggcgggcg
1921	cctgtaatcc	cagctactcg	ggaggctgag	gcaggagaat	cgcttgaacc	caggaggcag
1981	aggttgcagt	gagccaagat	cgcgctactg	cactccagcc	tgggcaacag	agtgagattc
2041	tgtctcaaaa	aaaaaataat	aataatgcta	tttattgact	ttacaccttg	taccaggcat
2101	gggaaagcttt	gcctccatta	cgctactgaa	tctcataacc	tcctttttca	gcagaggaaa
2161	atgaggttgg	ttcacagacc	acgttgtcag	ctgtgctctg	tccagaacgc	actggcctcc
2221	aagtagacag	ccctggactg	gtagggaagc	cggctatgat	ccggtggcgc	cccctggagg
2281	tctatcgga	acatggtaaa	gaacctaaaa	atgggtgggc	cacagtagct	catgcctgta
2341	atcccagcac	tttgggggac	caatgcggga	gaattgcttg	agcccaggag	ttcaagacca
2401	gcctgggcaa	cattggggaga	cccacccccc	gccatctcta	caaaaaaaaa	attaggccgg
2461	gcgcggtggc	tcaggcctgt	aatcccagca	ctttgggagg	ccgaggcggg	tggatcacct
2521	gaggtcagga	gttcaagacc	agcctggcca	acgtggtgcc	acactgtctc	taataaaaac
2581	acgaaaaata	gggcggggct	cggtggctca	cgctgtaat	cccagcactt	tgggaagccg
2641	aggcgggcgg	atcacgaggt	caggagattg	agaccatcct	ggctaacacg	gtgaaacccc
2701	ctctctacta	aaaatacaaa	aagttagcca	ggtgtggtgg	cgggcgcttg	tagtcccagc
2761	tactcggtaa	gctgaggcag	ggaatcgctt	gaacccggga	ggccgagatg	tgcgatctca
2821	caccactgca	ctccggcctg	ggcgacagag	cgatactcca	tctcaaaata	caaatacaaa
2881	ataaaaaaat	acaatacaaa	aatgagccgg	gcttgcgta	ctgtagacca	gctactcagg
2941	agacagaggg	aggagaatcc	cttgagctct	ggaggctcag	gctgcagtta	gcatgatctt
3001	tgcccattgc	actccagcct	gggcgacaga	ggaagacctt	gtctctaaaa	acaaaaacaa
3061	agaaactaaa	aataagcatt	cggatttgtt	agggggcgac	aagggaggca	ctccaggatc
3121	tgtggactcc	ccactttggt	ctgtccttgg	agagccctgg	aaggtctgag	aggggacggg
3181	acctggttta	agggggtagg	ggagagagcc	ctggtctagg	gggtaaggga	cacaaatacc
3241	taatctgagg	ggtttcgggg	ggacatggcc	ctgccctggg	gaatctaaac	tgggaggcat
3301	ggtctggcag	gccaatcct	gaaggcttcc	tgagggcaat	aaggccctgc	ctttaacaaa
3361	atgaaaaaac	gccaggcacg	gtggctcacg	cctgtaatcc	cagcactttg	gaaggctgag
3421	gcgggaggat	cacgaagtca	ggagatcgag	accatcctgg	ctaacgcggg	gataccgcgt

FIGURE 1-B

3481	tctactaaaa	atacaaaaaa	ttagccaggc	gtggtggcgg	gcgcctgcag	tcccagctac
3541	tcgggaggct	gaggcaggag	aatggcgtga	accaggagg	cggagcttgc	agtgagccga
3601	gatcgcgcc	ctgcactcca	gcctgggcaa	cagagcaaga	ctccgtctca	aaaaaaacaa
3661	aaacaaaaac	aaaaacaaaa	acaaaaaac	aaataaaaaa	acaaaaccac	ataactggat
3721	aaagaaaaaa	ccatctccga	cagccttggg	ggcgggatga	aggcgtggcc	cgggtggcgt
3781	gaaccaacagc	aaaagtttaa	gcgttattgg	ctgtattcct	tagttgctca	ctccagaact
3841	gcccacttat	gggcgggggt	cactccttca	ggcttaacag	tcattggctg	aattggggcca
3901	gagaggtctc	attggctgaa	ttcctgcacc	ggctcgtcgg	aggcgggacc	caaagtaggc
3961	taggcctacg	gaagctgggt	cttcttgcgt	tgaggtcgcg	ttccccagtg	ttacggaggg
4021	tccttgaggc	aggagtgaag	attgggtctg	ggggttagtc	ctggggtgga	ggtctgggca
4081	cgccgggtcg	gacccctcc	atcttcggtt	ttgcacaccc	cgctttccag	cgcgagctcg
4141	cggcggttag	ggcggtcg	cgtgcgtgac	gtcatccagc	ggcgctcgc	gaggctccag
4201	tggccttgac	ctcccgcg	gtggaggct	gcgcggcgat	gctgcagttc	gtccggcccg
4261	gggcgcgggc	ctggcttcgg	cctaccggca	gccagggtgag	gccaggggct	ggaggcgtgg
4321	tcgaaggatg	aaatttgagg	gtgtccaggg	gtcgtctctc	actttcgccc	aaccttgca
4381	gggcctgagt	tccttgccg	aagaggcagc	gcgtgcgacc	gagaaccggg	agcagggtggc
4441	gagcgagggt	aaggcaaccg	gggtggctcc	aggaggggcg	gcgacagaga	ggtctgaccc
4501	ttgaccttaa	cctctgaccc	ccgcaatcgc	tccagggtctc	ccggagcccg	tgctgcgcaa
4561	agtcgagctc	ccggtaccca	ctcatcgacg	cccagtgacg	gcctgggtcg	agtccttgcg
4621	gggcttcgag	caggagcgcg	tgggcctggc	cgacctgcac	cccgatgttt	tcgccaccgc
4681	gccagggtga	gcgagggtg	taattggtga	ctgagtggca	gagggatgaa	gagcgggatt
4741	tcaggagtca	cgatgacttt	gggcttgtac	ccttgggaaa	gtgctgtatt	tctacagcct
4801	ccgtttctcc	acctgtcaaa	ggggaatgat	gacagtttcc	cctgctgtag	cgctgtgtga
4861	gattgaagcc	tgagaggtga	catcatctaa	gggttaggga	gacagaattc	tggagcccg
4921	ctgattaggt	tcaaatcctg	ccttccctcc	ttgtccctca	gtgtccctat	tttctcagcg
4981	gtcgggagggt	tgctgtgatg	aataaatgac	ttaattctgg	cacataataa	gttctataga
5041	aatgttgata	atctttgtta	actggttttt	gcaaataaga	gcactaaaaa	gactaaacca
5101	ttcctcggtg	cctggaagag	gctgtttgca	ttttagttac	cctgctgttc	ataacatctc
5161	taagaaaatg	taggggccac	cctgggcgca	gtggctcacg	cctgtaatcc	cagcactttg
5221	ggaggccaag	gcgggcggat	cacgagggtca	ggagatcgag	accatcctgg	ctaacatggt
5281	gaaaccccg	ctctactaaa	aatacaaaaa	aaaattagcc	gggcgtgggt	gcgggcgtct
5341	gtagtcccg	gtactctgga	ggctgaggca	agagaatggc	gtgaaccggg	gaggcggagc
5401	ttgcagttag	ccgagatcgc	gccactgcac	tccatcctgg	gcaacactct	gtctcaaaaa
5461	aaaaaaaaaa	aaagaaagaa	aagaaaatgt	aggggccagt	tactgtgggt	cacatctgta
5521	atcccagcac	attgggaggc	cgaggtgggc	ggatcacttg	aaaccaggag	ttgcagacca
5581	gcctggccaa	catgatgaaa	ccccgtctct	accaaaaata	caaaaattag	ccggacgtct
5641	tagtgcaagc	ctgtagtccc	agctactcag	gaggctgagg	catgagaatc	gttgcaccct
5701	ggggagatgg	aggttgcagt	gagccgtgat	tatactactg	cactccagcc	tgggcgacag
5761	agacagactc	catctcaaaa	aaaaaaacag	gtgaaattga	tttcaataat	gtatttaacc
5821	tgtatttaaa	actatgtcga	aatcacattg	tagcatgggg	cactggccat	gtttcagatg
5881	ttgagtattg	gactgtatgg	aatgttatag	aactagagag	gaaaaccagt	ccctgaagaa
5941	ggtggcaata	agtgaagtgt	aatagcagga	aaaaagtaat	ggtaggaaaa	acaaggaaga
6001	aggggtggct	ttttttttct	gagatgaagt	ttcgctcttg	tcgccagggc	tggagtgcac
6061	tggcatgctc	tcagctcact	tcaacctccg	cctcctgggt	tctactaatt	ctcatgcctc
6121	agcctcccga	gtagccagaa	tgacagacat	gtaccaccgt	gcccagctaa	tctttgtata
6181	ttttggagag	acatcacttt	gccatgttgc	ccaggctggt	cttactcctt	gcctcaagtg
6241	atccacctgc	cttggcctcc	caaagtgcc	ggattccagg	catgagccac	tgacactggt
6301	cagggtggct	ctttcttttag	aaggtaacct	tcagcagtta	ttggagctgc	tacctgtagg
6361	ctgagaaaag	accatccagg	agaagagtgt	ttcaggcaga	gggaacagca	agtgccaaag
6421	ccctgaggca	gaatttcaag	atggggctcag	tgaggggcag	aggcaaatcg	cccaggggccc
6481	tggaggcaga	agggagaatc	ctgggttttc	ctatagtggg	gtgggagcgt	ttgaagcaga
6541	gttgggcttc	tcatgtgtcc	ttcctccccg	caggctggac	atactgcacc	aggttgctat
6601	gtggcagaag	aacttcaaga	gaattgtgag	tgccataaat	gagcaaggtg	gtgggaagga
6661	gcttcctggg	gaggttgggg	ataggaccca	gaggaagccc	atcgctgggt	tttctctgga
6721	ctgctcggct	ggggcctcat	ctgtctcctg	aactattcac	cgatgggtcc	atttttggtt
6781	ctcttttttt	tgtttgtttt	tgagatggag	atggagtctc	actctgtcac	ccaggctgga
6841	gtgcagtggc	gcaatccttg	ttcactgcaa	cctccgcttc	ctgggttcaa	cgattctctc
6901	tgctctgccc	tcctgagtag	ctgggattac	aggtgtgcac	caccatgcag	gctaattttt
6961	gtatttttag	tagagatgga	gtttcaccat	gttggtcagg	ctggtctcaa	actcctgacc
7021	tcaaggaacc	tacctgcctt	ggcctcccaa	agtgtctggg	ttacaggcgt	gagccaccgt
7081	gccagctca	ttttcagttg	ttttctgac	actcactgat	gtgggcattg	tggtgggtga
7141	gaggatatag	cagggaccac	gaggacaaaa	caggcaaggt	ccggctgtgt	gcaagtggct
7201	caggcctgta	atcccagcac	tgggaagctga	ggtgggtggg	ttgcttgggg	ccaggaaaaga

FIGURE 1-C

7261	ccagcctggg	aaacagcaag	acccagtctc	tacccttcc	cccacaaccc	caagaaaaag
7321	atgggcaaag	tccctattct	aatgaaggtc	acagtgtcat	gggaggagaa	gtgaagggtga
7381	gtcagatggt	catacgtaat	gtgtaattat	gagcatgtcc	cagagaatgg	gacgttcaac
7441	cttgggtcta	ctgtagaagc	taaccagatc	aaggaggcag	tggggctagt	gtggagataa
7501	caggaaacagg	gtgtgcaaag	gccctgtggc	agggaccaca	aggaagccag	tgttgccaca
7561	gaggccagtg	ggagcagtg	ggaggagtct	gggttttgtg	ccaagaacat	tgaagaatcc
7621	attaccagtc	agggctcttat	ccatccaccc	cagaggctctg	gccagtcctc	ccctgtctca
7681	caccttccct	ggctccccat	cacctagga	ataaagtcac	cagtctgcta	tcttgagttc
7741	ttcctgattt	ccttgccctg	ctcctcttcc	ctgattctcc	ctgtctgtgt	catttcccat
7801	ggcctctccct	ccttgtggct	acaaccacat	taaaattgtt	caaaaaatag	gccggcacgg
7861	tggctcacac	ctgtaatctc	agcacttttg	gaggccaagg	caggtggatc	acttgaggcc
7921	aggagttcca	aaccagccta	gtcaacgtgg	caaaacccca	tctctactga	aaatacaaaa
7981	aattagctgg	ggccaggtgc	gggtggctcac	acctgtaatc	ccagtacttt	gggagccga
8041	ggcggatgga	tcacgaggtc	gggagatcga	gaccagcctg	accaatatgg	tgaaccccca
8101	tctctactaa	aaatacaaat	attagtggg	tgtggcagcg	ggcgctgtga	gtcccagcta
8161	ctctggaggc	tgagacagga	gaattgcttg	aacctgggag	gcgagggttg	cagtgaagccg
8221	agatgcgccc	actgcactcc	agcgtggcgg	acagagcgag	actccatctc	aaaaaaaaaa
8281	attagccggg	catggtgaca	ggcacccgta	atctcagcta	ctagggaggc	tgaggcagga
8341	gaatcgcttg	aatctaggaa	tcagaggttg	cagtgcagcca	aggtcacacc	acttgcactc
8401	cacagcctgg	gtgacagagt	gagactgcct	caaaaaaaaa	aatcaatagt	tcagaaaaat
8461	ccgagcacc	cctgcgtgcc	cggtggcagg	gccctgcct	ttgtgaggct	ggcatggggc
8521	aggagctgtg	acttctttac	cctccccctc	gctcccaag	tactctgtgc	ttggccagag
8581	agagcccgct	atcatggtgc	ctcctgtctg	acttccccgt	ggcaggactg	atctgcccgg
8641	ctccctgaca	cctgcctcgt	ggacctgacc	cccctcctct	ttgtgcctcc	agagctatgc
8701	caagaccaag	acgagagccg	aggtggccgg	cggtggccgg	aagccttggc	cgcaaaaaag
8761	cactgggcgg	gcccggcatg	gcagcatccg	ctctccgctc	tggcgaggag	gtaacaggac
8821	agggtggagg	ggcgggggag	gggtgggggg	gccagggaag	ggcctgggtg	tttactcaca
8881	cacagctgcg	cacatctggc	atggtattat	gtcagccctg	ttccctccac	ctcatggaac
8941	cacctgggct	ggtgacatcg	gaactggagg	ccttggacct	cactaccctg	ataaggggac
9001	agagatctgg	gagccatcca	ctcctccctc	tcgcatgccc	tgtctcttca	gcctgtggcc
9061	acagccctc	ttgacccac	ctcctgtcac	cctctcctga	cccacacttc	ccacagcacc
9121	cagagagctc	ttctaaatcg	tggaaacctga	actccggacc	tcggcctttg	tgtggaacct
9181	gaactcctga	ccttgtcatt	gtgggcccctg	gtggtgcac	acctttcccc	ctcatccctc
9241	cctttccctc	tctgaccagg	cagagatgac	tctctcttgt	tttttcgggt	gtgtttgttt
9301	tttaactttt	attttcttga	atgctaacaa	gatgactcag	ggtggtgcc	gccaccccat
9361	cacctgttta	cctggccagc	tctcctcacc	tttcagggtt	ctgggccaca	cctcctccag
9421	gaagccccc	ttgatctcct	ttccttccac	atcccccgga	gctaccctga	tttctctac
9481	agctgagcct	cttttctgcc	ctgccggaat	gtgaatggca	tgagggcagg	gaccatgtct
9541	gttgtcttct	ctgctgcatt	tccaaggccc	aggcgagggc	agacaccaac	acatgggtgt
9601	tgcaggggtc	tccttgactg	ttgttgctcc	cagatcatac	tgcttgctcc	accggagcat
9661	gtgctctgat	ccttctctc	ccgcttgacc	tgaagttcgg	aacctcctga	taacttcagc
9721	attaacagcg	tgcttgagtt	aagttcacac	tctagccact	ctatggaatc	cacaccataa
9781	ctcatggtgt	cctatggggc	aggaactgtc	cgatctcaag	gtggtttgtt	ttttttattg
9841	tttgcttttg	agacaagatc	tcgctctgtt	gcccaggctg	tagtgagctg	gtgcaatcat
9901	agctcactgc	agccttgagc	tcctgggctc	aagtgatcct	ccatcctcag	cctcccaaaa
9961	tgctggtgtg	agccaccttc	gccagccctg	tctcagagtg	tgacagctgg	gaaaactgaa
10021	gcccagtgaa	gcaaagtcac	tggctccatg	ttgtccctga	tccagcctcc	cctgaggccc
10081	cacctctctc	gccttgttcc	tggcagcgcc	ccctctctcg	tcaccccatg	ccagccactg
10141	cagcagattg	ctgacctcca	ggctctgcag	tggcccttac	ctgctcacat	gcctctgtcc
10201	ccgcaggagg	tgttgcccat	ggccccggg	gccccacaag	ttactactac	atgctgccc
10261	tgaagggtgcg	ggcgctgggt	ctcaaagtgg	cactgaccgt	caagctggcc	caggtacagc
10321	catggggggg	cccagacagc	tgctagaggt	ggggctgtc	tggacccagg	gttcaaacca
10381	tcctttcctt	ccaccaggac	gacctgcaca	tcatggactc	cctagagctg	cccaccggag
10441	acccacagta	cctgacagag	ctggcgcact	accgcccgtg	gggggactcc	gtactcctcg
10501	tggacttggtg	agggcacagg	gcagagcagg	ggcagggggc	cctgagctcc	gtactctgag
10561	ggttcaaccc	ccactccctg	gcctctctta	cagaacacac	gaggagatgc	cacagagcat
10621	cgtggaggcc	acctctaggc	ttaagacctt	caacttgatc	ccggctgttg	gtgagcaaa
10681	agcccaggcc	cctagagtgc	gcatgtgcag	gctccgctgt	tagaatcaca	gcggttcaaa
10741	tccggcatct	ggtcgctgag	tggcctcagg	cagtgaccac	gctcccggac	ccaaccttca
10801	gcttgcccaa	agcaataatc	tttcttaaag	aagtgtttgg	ctggggatgg	tggctcacgc
10861	ttgtaatccc	agtacttttg	gaggccaagg	cagtctgggc	aatatagtga	ggctcccatc
10921	tgtactaaaa	ataaaaaagt	taggcgtggc	gatgtgcacc	tgtagtccca	gctactcggg
10981	ggctgagcca	ggcgatagc	ttgagctcag	ggggccaagg	ctgcagttag	tcagtatcgc

FIGURE 1-D

11041	accactgcac	ccaaacctgg	ggagagagct	agactcttgt	ctcaaaaaaa	aaaaaaaaaa
11101	aaaaaaaaaa	gctccaaagt	cacctctgtc	aaagccacag	tctgttcctt	ccacagccac
11161	aagatggcga	catgagccta	agtcaagtcc	tgtccctcaa	cccacgcccc	tcgctggcct
11221	ccccacctct	ctcaggatga	aagcccaagt	catcagggtg	gcacgtcagg	ccctgcacga
11281	tgtgccccgt	cacctccctg	ccctcccgtc	atttgccctg	ggctctcccc	accagaatgg
11341	gagccaggag	tcccagccag	gcacaggacc	gagcctggct	ctcggtcagc	aggtgatgag
11401	ctgggagcag	ctccttggcc	agaggcttac	aggcaacaag	cggccaggga	gggtctggcc
11461	ccgggctgct	gggctcacia	agtcacacta	gaccacagtg	acgatctctg	taagcaciaa
11521	gggactccga	tgtgggtggg	gtgaggagag	aggcagcccc	ggcctgaccg	gcccccgcc
11581	ccgcccccac	cccgccccca	ggcctaaatg	tgcacagcat	gctcaagcac	cagacgttgg
11641	tcctgacgct	gcccaccgtc	gccttcctgg	aggacaagct	gctctggcag	gactcacgtt
11701	acagaccctt	ctacccttcc	agcctgcctt	acagcgactt	ccccgaccc	ctaccctcag
11761	ctaccagggt	cccagcgccc	accccgacc	actgttgawg	tgaagcacct	cttctgagcc
11821	aggccgagcc	cctggccgac	ttgggagcct	Yaggcccacg	cccacccttc	gaggaaggtg
11881	tcacctggac	cccttcattc	cacggaggaa	gctgaggcca	cagggagcgg	ccatcgccat
11941	tgggaagggg	cgactccacg	gaRagccag	acgggcttct	gcattccattc	cctctttttg
12001	tttttaaaat	aaattgtatt	tttgaatcaa	ggaggataaa	gataacttct	cattctgatt
12061	tttgataatt	gcattgagaa	cgatgagctc	cttcccaggt	tctgggcact	gttggggatc
12121	cgcggtctca	agaggctcac	ggctgtggtt	aggggaaccc	cagggctgtt	tgtggaaatt
12181	acaagaattc	acttaccctg	tgagtcagac	tccaggagct	cacaggtgcg	tgggcgctgg
12241	cacttcctag	gagctgactc	ctgccacatc	cctctcctga	gcactgctgc	cagccattct
12301	cacccttgag	agggtttgca	gtcctgtctg	cgacagtact	tcatgcagcc	tgagagtgtg
12361	tgcttgattg	tacaagtaga	tgttgtgtaa	acctgagttt	tcagagtgc	ttcctgtaag
12421	cacagtcaga	aaagtaaatg	tctctctgta	agtgagcaga	taagcacatg	cttaaaaaa
12481	ccagctgggc	gtgggtgactc	gcacctgtaa	ccctagcact	ttgggaggtc	aaggtggaa
12541	gatcgtttga	gctcagagct	tccagaccag	cctgggcaac	atggtgaaac	cccattctctg
12601	caaaaaatat	aaaaattaag	tgggcgtgtt	ggcgccacc	tgtggtccca	gctacttggg
12661	aggctgaggt	gggaggatca	cctgagccca	ggaagcagag	gttgacgtga	cctgagactg
12721	agccaccaca	caccagcctg	ggtagacagag	tgagacactg	tcttaaaacc	ccaatatccc
12781	aatttttgag	tttgctgagg	ttgccagcca	agttaatttt	tcttaacagc	cataacagac
12841	tataatatag	acaatgtgat	cgatttattt	aaagtcaacc	agctgggcgc	ggtggctcac
12901	gcctataatc	ccagaatttt	aggaggctga	gccagggtga	tcaccggaag	tcaggagttc
12961	gagaccagcc	tggccaagcc	gggagtgggtg	gcgggcacct	gtaatcccag	ctacttagga
13021	ggctgaggtg	ggagaatcgc	ttgaaccag	gaggcagagg	ttgcagttag	ccaagatagc
13081	gccactgcgc	tccagcctgg	gtgacagagc	aagattccat	ctataataaa	ataataaat
13141	aaagtcaatc	aggactgcct	tctgcctgtg	tgggcctggc	caggctaagc	agccacacia
13201	ccctccctac	ctgctgggct	acccctggct	gaaaacctct	ctggaaatgc	tctctgggga
13261	ttgccttcag	agattgcaac	acattctcca	aa'acacctca	gtggacatag	actttgatcc
13321	ttgaagcagc	agatttgact	aagtaaaaaa	gaaaaagcta	ttaaaaccag	ttggctgggc
13381	gcggtggctc	acgcctgtaa	tcccagcact	ttgggaggcc	gaggcaggcg	gatcacgagg
13441	tcaggagatc	gagactatcc	ttgctaaccac	agtgaacccc	catctctacc	aaaaatacaa
13501	aaaattagcc	gggcgtgggtg	gtgggcgcct	gtagtcccag	ctactcagga	gactgaggca
13561	ggagaatggt	gtgaaccggg	gaggtggagc	ttgcagttag	ccgagatcgc	gccactgcac
13621	tccactccag	cctggcgaca	gagctagact	gtctcaaaaa	aaaaaacaga	ggcgtgccaa
13681	agctcagcag	aaaatgccgc	ctcatcactc	ttcctcttgc	cagtcttgtg	ggggcaccaa
13741	ggcctagagt	aacacccagc	tgttggcctg	acagtgcctg	gcccagcctg	gagagtgtga
13801	gccagaagta	taaatgtggt	tcagtctgcg	tcatacctgt	caggaaacat	ggtgagacca
13861	actgctgccc	agacggattt	tcaaaaagaa	tgggtcagaa	cgtattcccc	cacactggaa
13921	tccctcagcc	agattgagga	taaaaacagg	catcagaaaa	aaatgatata	ggcaggcctg
13981	gtggctcatg	cctgtaatcc	cagcactttg	ggaggctgag	gcgggaggat	cgctgagca
14041	caggagtttg	agaccagcct	gggcaacaca	gtgagaacct	atctctacta	aaaatagaac
14101	aattagccag	gcacggtggt	gtggctgtgg	tcccagctac	tctggaggct	gaggtgggag
14161	gatcacttga	gccctagggg	tagaggctgc	agtgagcgga	gatcacccca	ctgcaatcca
14221	gcctgggcaa	cagatcaaga	ccctgtctca	aaaaaaaaaa	aaagaaaaga	aaacaaaaga
14281	aaaatatgat	acactgacta	gaatgtgctt	taaaataatt	ggcatagtgtg	ggtatggtgg
14341	catgcacctg	cagtctcacc	tacttggaaa	gctgtggcca	ggagtgttag	accagcctgg
14401	gcaacacagc	aagacctcat	ctctataaaa	aataggcggg	gagcagtggtc	tcacgcctgt
14461	aatcccagca	ctttgggagg	ccaaggcagg	cggatcacta	gaggacagga	gttcaagacc
14521	agcctggcca	acatggtgaa	accccatctc	tactaaaaat	acaaaaattg	gcaggatgtg
14581	gtggcggggtg	cctataatcc	cagctacttg	ggaggctgag	gcaggagaa	cgcttgaacc
14641	tgggagggcag	aggttgaggt	gagccgaggt	catgacactg	ccctcaaac	tgggtgacag
14701	agcaagactc	ggtctcgaaa	aaaaaaataa	tgaatgaatg	aattaattca	ttaattaaat
14761	agggggggta	tatgagtttg	ttagggctgc	cgtaggagtg	ccacaaactg	caggggttgg

FIGURE 1-E

14821	gggggttagt	caacagaaat	ttattctgtc	ctgtttctgg	aggctggaag	tccaagggtga
14881	agaacagggt	tagctccttc	taagggaaaa	tctgttccag	atccctctcc	tagcgtctgg
14941	tggtttgctt	tgctgactat	ctttgacatt	ccttggcttg	tagccacact	gcttcagttc
15001	ccaccttcac	ctttacatga	tggtgtccct	gtgggtatgt	gtctgtttct	gtgtctaaat
15061	ttctcctttt	tatttttttc	ttttttctct	atcttttttt	ttagacggag	tcgcgtctcg
15121	ttgccagggc	tggagtgcag	tggctcgatc	tcggctcact	gcaacttctg	cctcctgggt
15181	tcaagcgatt	ctcctgcctc	agcctcccaa	gtagctggga	ttacaggctc	ccaccacat
15241	gcctggctaa	tttttgtgtt	tttagtagag	aagggttttc	gccatattgg	ccaggctggt
15301	aacctcagg	gatccaccgc	ctttggcctc	ccaaagtact	gggattacaa	aaagttagcca
15361	ccgaacctgg	cctatttttt	cattttattt	tagacagagt	tttgctcttc	ttgtccaggc
15421	tagagtacaa	tggcgcaatc	tcggctaato	tcaacctccg	cctcccgggt	tcaggcgatt
15481	ctcctgcctc	agcctcccaa	gtagctggga	ttacaggcat	acgccacaat	gcctggctaa
15541	ttctgttttg	ttagcagaga	tggttggttc	ccatgttggt	caggctgtgc	tcgaactccc
15601	gacctcagg	gatccaccga	cctcagcctc	ccaaagtgtc	gagattacag	acacgagcca
15661	ctgagcctgg	ccctctcctt	ttatttttta	aaatatattt	tgtggacggc	agcagtggtc
15721	cacacctgta	atcccagcac	tttgggaggg	cgaggcgggt	ggatcacaa	gtcaggaact
15781	cgagaccagc	ctggccaata	tggtggaagg	ccatctctac	taaaaataa	tactgagcca
15841	aggcatggcc	gggcgcgggt	gtcacgcctc	gtaatcccag	cactttggga	ggccgaggcg
15901	ggcggtatcac	gaggtcagga	gatcgagacc	atcctgggtt	atacggtgaa	accccgctct
15961	tactaaaaat	acaaaaaaa	aattagctgg	gcgaggtggc	aggtgcctgt	agtcaccagct
16021	actcgggagg	ctgaggcatg	aaagtgttct	gaaccgggga	ggcgagctgt	aggctgagct
16081	gagatcgccg	cactgcactc	cagcctgggt	gacagagtga	gactccatct	caaaaaaaa
16141	aaaaaaaaat	ttagccaggc	gtgggtgtcag	aagcctgtag	tcgcaactac	ttgggagggt
16201	gaggcaggag	aatcacttga	acccaggagg	tgagggttgc	agtgagccga	gaccacatca
16261	cggcacatct	aaaaaaaaaa	aaagtgttct	gtttttgttt	tttgcaaaac	tactgaaata
16321	aatacagtga	gatattttat	tataaatgag	aacgaattaa	taatgagccg	taggctgggt
16381	gtggtggctc	atgcctataa	tcccagcatt	ttggggggcc	aaggcagggt	gaacacttga
16441	ggtcaagagt	tcgagaccag	gctgaccaat	atagtggaa	cccattctct	ctaaaaatac
16501	aaaagaatta	gccgggcatg	gtgccggcgg	cctgtaattc	cagctatggg	aggctgaggt
16561	aggagaatcg	cttaaaccct	ggaggcggag	gttgacagtga	ggcgatatca	cgccactgca
16621	ctccagcctg	ggggacagag	cgagactcca	tctctaaata	aataaataag	gagctgtatt
16681	tcaaaatttg	gagaagggtga	cactgagagt	actgaataca	cagttttttg	tttttttggt
16741	tttttttgag	acagagtctc	gctctgtcac	ccaggctgga	gtgcagtgtg	gtcgaactcg
16801	ctcactgcaa	tctctgcctc	ccggttcaag	caaactctct	gcctcagcct	cccgcgtagc
16861	tgggattaca	ggcacgcctc	cccatgcctg	gctaattttt	gtatttttag	tagagacggg
16921	atttcacat	attggtcagg	ctgatctcaa	actcctgacc	tcgtgatctg	cctgcctcgg
16981	cctcccaaag	tgctgggatt	acaggtctga	gccaccgagc	ctggcccaaa	aaaaatttta
17041	tcaaaactat	gttaatgctg	gccgggtgcg	gtggctcatg	cctgtaatcc	cagcactttg
17101	ggaggccgag	gcaggtggaa	cacgaggtca	ggagattgag	accatcctgg	ctaacacggt
17161	gaaaccccg	ctctactaaa	aaatacaaaa	aattagccgg	gcgcgggtgt	gggtgcctgt
17221	agtcaccagt	actcaggagg	ctgaagcagg	agaatggcag	gaaccggggt	ggcagaggtt
17281	gtagttagct	gagatcgccg	cattgcactc	cagcctgggc	gacagagcga	gaatccgtct
17341	cgaaaaaaa	aaaaaaatac	acacacacac	acaaaaactg	tggttaatgct	taactacaca
17401	aaaatgataa	tcagataaat	atgcatttat	ttagagaact	gcattgttgt	cagtccagtc
17461	cctgcagagg	gaattcccag	catgacctca	ttcacttgtg	aagacagagc	aatccttgtg
17521	ttttattttt	ttaagatgga	tctcactctg	ttgccagac	tggagtgcag	tggcatgac
17581	tcagccctct	gccacctcca	ccttccgggt	tcaagagatt	ctcatgcctc	agcctcctga
17641	gtagctgaga	ttacaggctt	gtgcctccat	gcccagctaa	tttttttatt	tttactagag
17701	atgaggtttc	accagttttg	gcaggccggt	ctcaaactcc	tgacctcaag	tgatccaccc
17761	acctcgccct	cccgaagtgc	tgggatgaca	ggtgcctggt	cagcaactgt	tgtttagaca
17821	tacacatttt	atctgctcgt	ccagcatggt	cagccctcca	ctttttaaat	tttattttat
17881	ttattttttt	gagacagagt	ctcactctgt	tgtccagggt	ggagtccagt	ggcgtgattt
17941	cggctcactg	caacctctac	ttcccagggt	cgagcaattc	tctgcctca	gcttcccgag
18001	tagctgggat	tacaggcccg	cgtccccaca	cctagctaat	ttttgtattt	ttagtagaga
18061	caggtgttca	ccatgttggt	caggctgggt	tcgaactcct	gacctcaggt	gattctcctg
18121	ccttggcctc	ccaaagtgtc	gagattacag	gtgtgagcca	ctgcacacgg	ccttaaat
18181	tattttattat	ttattttatt	atttatttag	agacttagtc	tcactctgtt	gccaggctg
18241	gagtgacagt	gcatgggtct	ggctcactgc	actccacctc	ctgggttcac	gccattctcc
18301	tgcctcagcc	tcccagtag	ctgggactac	aggcgccac	caccactccc	ggctaatttt
18361	tgtattttta	gtagagatgg	ggtttccact	tgttagccag	gatagtctcg	atctcctgac
18421	ctcgtgatcc	gcctgcctcg	gcctcccaaa	gtgctgggat	tacttatttt	gttttttgta
18481	gagacagggt	ctcactgtgt	tgcccagggt	ggtcttgaac	tcctgatctc	aagtgtctct
18541	cccacctcag	tctctcaaa	ggctgggatt	acaggggtga	gccactgcac	cccaccttcc

FIGURE 1-F

18601	ctctactttt	tgacgggttc	cttctgctat	gaatgtgcat	gtccagttgt	ctgcttctta
18661	gaactgatat	ttaccttctt	catccatcag	ccattggagg	aggactggga	ccgctcagat
18721	tattgatctg	accattctt	tcggcagggt	ttcctggtgg	ctgtcttcca	tcacaaaaac
18781	tggaatcaga	agagtttcca	tagccttttt	tttttcccca	catctttgct	gaagcagagt
18841	tttgaaaaac	aaaaccacaa	actaagctat	tccccagaag	aaatctgtaa	tcaaagataa
18901	gctctgccgg	gcacagtggc	tcacgccttt	tggaggccaa	ggcggggcga	tcacctgagg
18961	tcaggagttc	tagacctgcc	aggccaacat	ggtaaaaacct	catctctact	aaaaatacaa
19021	aaattagcta	gatgtggtgg	tgggtacctg	tagtctcagc	tacctgggag	gctgaggcaa
19081	gagaatcgct	tgaacctggg	aagtagagggt	tgcagtggagc	cgagattgca	ccactgcact
19141	ccagcctggg	cgacggagtg	agacgacctc	acaaaaattt	acataaataa	aatgaaaagt
19201	aaaaataaaaa	tacaaaagtt	ggccgggtgc	gtttgctcac	gcctgtaatc	ccagcacttt
19261	gggaggggtga	ggcaggcaga	taatgaggta	agaagatcga	gaccatcctg	gctaaccagg
19321	tgaacccttg	tctctactaa	aaatacaaaa	aattagctgt	gcgtggtgac	acgcacctgt
19381	agtcccagct	at ttgggagg	ctgaggcagg	agaatcactt	gaacctggga	ggtggagggt
19441	gcagtggacc	gagatcgcac	cactgcactc	cagcctgggc	cacagagtga	gactccatct
19501	tgaaaaaaaaa	aaaaaataca	aaagttagcc	aggggtgttg	gtgggtgctc	gtaatccag
19561	ctattttggga	ggctaaggca	gaagaatttc	ttgaacctag	gaaacggagg	ttgcagttag
19621	ccgagatcac	acctctgtac	tccagcctgg	acaacagagc	gagactttgt	ctcaaaaaaa
19681	aaaaaaaaaaaa	aaaaactaaa	taggcgggga	gcagtggctc	atgcctataa	tcccagccct
19741	ttgggaggcc	aaggcaggtg	gatcacttga	ggtcaggagt	ttgagaccag	gctggcacaac
19801	atggtgtaac	cccgctctta	ctaaaaacac	aaaaatttagc	cgggtctggt	ggcgtatgtc
19861	tgtaatccca	gctactcggg	aggctgaggc	aggagaatca	cttaaacctg	ggaggcaggg
19921	gttgacagtga	gctgagatcg	tgccactgca	ctctagccag	ggtgacagag	tgaaaactctg
19981	tctcaaaaaa	ttaaaaaaga	aattcagcaa	gtaatgagtt	aagggaattcg	aatattaagg
20041	cgagtgtaca	ggaacgccca	ggatgtggcc	caggatggag	taggggggag	actcatttag
20101	gagaaagctc	aggccacaag	acaggaggag	ccagccttgt	tggggttgaa	gggaagagca
20161	ttccaggctg	agggaactgc	aaggcgtttg	catgggacac	tatgggatgg	cttctgccct
20221	tgggtggcag	cctctggtct	gaggccattc	tttggcctgc	ctgactgtct	ggcaaccggg
20281	aggaaagccct	gcccttccctg	gagacagaaa	caaaggctta	ggaaatatct	gcttcccttt
20341	tccttgaaaa	acgcttaagg	gaacggagga	ctgggaggtg	ccgtctctct	ctgccagcct
20401	gccccctacc	atagccatcc	cactcccatc	tcagaaaagt	acccgccatc	ctccaaaagg
20461	ctcggaccct	gatcaaggag	tcattccccct	tgtcccagca	cctccagttg	gccccactc
20521	caaaaacggat	gtcaaattca	gccctttctc	caaggacact	gccccagcca	gccccacta
20581	tcattcatct	ggactagaac	agtcacctcc	tctcccatct	cctggctgca	gctcttgaag
20641	cctcaactgg	gccccctgtga	acacttgagt	tagggcaagg	tccttctct	gctcagaacc
20701	ctctatacct	cccacctcgc	tgggcataaa	agccaaagtc	ctggccaggc	acggtggtct
20761	acatctgtta	tccagcact	ttgggaggcc	aaggggggcg	gatcactaga	ggtcaggagt
20821	tagagaccaa	catggtgaaa	ccccatctct	actaaaaata	caaaaattag	ctaggcgtgg
20881	tgacgcaccc	ctgtagtacc	agctactcgg	taggctgagg	tgggagaatc	gcttgaacct
20941	gggaggcaga	gtttgcagtg	agccgagatc	acaccactgt	gctccagcct	gggtgacaga
21001	acgagactgg	ggttcagaaa	caaaacaaca	aaacaacaaa	gtcctcctca	ggtgacagga
21061	acttgacact	atctgccctg	tcattctcct	gcccgtcct	ctcctcgaat	ctctcctttg
21121	ctaagcctgc	tccagccaca	ctgttctcct	ggctgttct	ttttttttt	ttttttttt
21181	ttttttgagt	ctcactctca	cccaggctgg	agtgacgtgc	ctctatcttg	gctcactgca
21241	acctccgct	gccgggttca	agagattctc	ctgcatcagc	ctcccaagta	ggtggaatta
21301	cagggtgtgca	ccaccacacc	cggctaattt	ttgtattttg	catagagatg	ggggtctccc
21361	tatgttgccc	aggctggtct	tgaactcctg	ggctcaagtg	atcctcccat	ctcggcctcc
21421	caaaatgctg	ggattacagg	tgggagccgc	gcccagggtg	at tttgtct	gactctgttc
21481	attcctgtgt	ccccagtacc	tggaaaggacg	ccaagcacac	agtaggcgct	taaaaaacat
21541	tgagccacat	gttgagaaaa	gaacggcacc	attgtggctg	caagtgggac	ttgggccgcg
21601	cgggggagct	cgcgcacctc	gggccggggc	aagagctcag	tggaaaccgc	ccgagggaaga
21661	acccgtggcg	caggattttc	ccaggccttc	tgaggaccag	gggcgtcccc	cgtcccaccc
21721	tgtgactttg	ctcaggccgt	tccggggcgg	gaattcagaa	ctcctcagcc	ccccagaaga
21781	aaaatatccc	cgtggaaaatt	ccttgggaat	gaccgaggcg	ggggaatat	gcgtctctgg
21841	atggccagtg	actcgacgcc	cccttccccg	ataggaaggg	cctgcgcgtc	cggggaccct
21901	tcgcttcccc	ttctgctgcg	cgacctcct	ggccctcgg	agatctccat	ggcgacgcg
21961	cgcgcgcccc	acaacaggaa	agccttaggc	ggcgcgctt	ggtgctcgga	gacttaagag
22021	tacccagcct	cgacgtggtg	gatgtcgagt	cttggggtca	cacgcacagg	cggtgcccaa
22081	gcaaacaccc	gctcatattt	agtgcagtgg	cctgggttcg	agttgcggga	gcctcgcgcg
22141	tagggcaggg	gttcgagcgc	cccttctccc	tgctctgcct	ctgcgcctgg	gggctgctgc
22201	ctcagtttcc	cagcgacagg	cagggatttc	gagcgtcccc	ctccccctcc	tcgtcaagat
22261	ccaagctagc	tgctctagtt	tccccgcgga	gcctgggacg	ccagcggagg	ggctcggcgc
22321	gtagggatca	cgcagcttcc	ttcctttttc	tgggagctgt	aaagacgcct	ccgcggccaa

FIGURE 1-G

22381	ggccgaaagg	ggaagcgagg	aggccgcggg	ggtgagtgcc	ctcgggtgta	gagagaggac
22441	gccgatttcc	ccggacgtgg	tgagaccgcg	cttcgtcact	.cccacggtta	gcggtcgccg
22501	ggaggtgcct	ggctctgctc	tggccgcttc	tcgagaaatg	cccgtgtcag	ctaggtgtgg
22561	acgtgaccta	gggggagggg	catccctcag	tggagggagc	ccggggagga	ttcctgggcc
22621	cccaccaggg	cagggggctc	atccactcga	ttaaagaggc	ctgcgtaagc	tggagaggga
22681	ggacttgagt	tcggaacccc	tcgcagcctg	gagtctcagt	ttaccgcttt	gtgaaatgga
22741	cacaataaca	gtctccactc	tccggggaag	ttggcagtat	ttaaaagtac	ttataaaacc
22801	gcttagcgcg	gtgtagaacc	tgattcaagc	ttagcctggc	cgggaacagg	gaggcgtgga
22861	ggccgggagc	agccccgggg	gtcatcgccc	tgccaccgcc	gcccgatggc	tttagcttgg
22921	aaattccgga	gctgaagcgg	ccagcgaggg	aggatgaccc	tctcggcccc	ggcaccctgt
22981	cagtccggaa	ataactgcag	catttgttcc	ggaggggaag	gcgcgaggtt	tccgggaaag
23041	cagcaccgccc	ccttggcccc	caggtggcta	gcgtataaaa	ggatcacgcg	ccccagtcga
23101	cgctgagctc	ctctgctact	cagagttgca	acctcagcct	cgctatggct	cccagcagcc
23161	cccggccccg	gctgccccga	ctcctggctc	tgctcggggc	tctgttccca	ggtgagtcgg
23221	ggtggggatt	gccgtcgggc	cagttctccg	aagccccggg	aggaccggct	cccggtcag
23281	gtcatgcatg	cttaggtagc	tgtttatggg	aaggaggggc	tagagacagc	gattgaaagg
23341	caacagccag	taggttcgaa	tccagaccct	gcataacctc	acgtgtggcc	ttgggctata
23401	gattgcagct	ttaaaaaagg	gtaggggggt	ggagatggag	gggagggggc	ggcctcgttt
23461	tggtgcccg	gccggtcttg	aactcggggg	gtctagcctt	acctcctgcc	tcagcctccc
23521	gagtagctgg	gatgagaggt	gtgaaccacc	gccttgcttg	gctagattgc	gtctctaca
23581	gtttctcagc	tgtaaaaacg	gaaacgttat	agcggccacc	tggcagggta	tcttggccca
23641	gcgcagcacc	tggtccccag	actcgatcat	gatggtttgg	gaacttggct	ctgtgccaac
23701	ccaacaaggc	ttaagggacc	cccaccccc	tcaagatgta	tattctgttc	ctcatcctct
23761	ctgccccctg	ggaagtccag	ggctgcttct	acttggggga	attccagagc	tgacttatcc
23821	gtggcccaaa	gctgagaagt	gggacgcccc	agcacaccct	ccccagctc	cagcccagct
23881	agggaagagg	gaaggggtca	gagggtcttt	catggtggtg	taagtttggg	gaaccaggag
23941	ggtgggggat	tgacagcttg	gttaacagct	caacaaagcc	tgagatccag	gccagcacgg
24001	tagttcatgc	cagtaatccc	aacactttag	gagccccagg	cgggcgaatc	acttaaggtc
24061	aggagtttga	gaccagcctg	gccaaactgg	caacatcccg	tctctactaa	aaatacaaaa
24121	attagctggc	atggtggtgg	gcgcctgtga	tcccagctgc	tcgggaggct	gagggaggaa
24181	aatcccttaa	gccacagagg	ctgaggttgc	agtgaaccaa	gattgtgcca	ctgcactcca
24241	gectgggaga	catagcgaga	ttctgtctca	aaaaacaaag	cRttctgatc	cggactcaga
24301	cccagatcgc	actgctttct	agctgagtaa	ccatttctct	ctatgaaatg	ggaatgggtc
24361	cagaatctcc	cttgagagaat	gtatggagcc	agtgtcctca	cacccccatc	caagatagaa
24421	caaactctgag	acaggaatct	ttgagtggag	cagtgtctgg	ctcagacatt	ttttcccacc
24481	ttcggaggca	gcagaatctg	agggacctga	tccaaataag	ccccttcttt	ctttcttttc
24541	ttttcttttt	tttttttttt	tttttttttg	acggagtctc	actctgtcgc	ccaggctgga
24601	gtgcagtgcc	gtgatctcgg	ctcactgcaa	cctctgcctc	ccaggttcaa	acgattctcc
24661	tgccctcagcc	tccctgagta	gctgggacta	caggcatgtg	ccatcacacc	cggtaatcca
24721	ctgtgttagc	caggatggtc	tcgatttctt	gacctcatga	tctgcccacc	ctgccttcca
24781	aagtgtcggg	attacatgcy	tgagccacag	tgcccacccc	gtaagccctt	ctttctttac
24841	ctgcaaggta	gccagttgct	acccatcctg	tgctgagtta	cttgatttag	caagggatgg
24901	ggtggctata	ctcaccaccc	ttacagatgg	ggaaattgag	gcccacaaag	ggggaaacta
24961	cgtgtctcag	ggagtggaga	gccagctctga	ttcctggagg	gctgactgtc	tccacctgac
25021	ttcttaggag	ggaggagggc	accaaacttca	cattaaaaatc	tggttgagaca	cagtggtctca
25081	cacctgtaat	cctggcattt	tgggaggctt	aggcgggagg	atcacttgag	gccaggagtt
25141	tgagaccagc	cttagcaaca	tagtgagacc	ccatctctac	aaaaatgttt	ttcaggggcca
25201	ggcgcgggtg	ctcacaccta	taatcccagc	actttgggag	gctgaggcgg	gcggattacc
25261	tgaggtccag	agttttgagc	cagcctgacc	aacatggaga	aaccccgctc	ctactaaaag
25321	tacaaaatta	cccgggcgtg	gtggcgcatg	cctgtaatcc	cagctactcg	ggaggctgag
25381	gcaggagaaat	cgcttgaacc	tgggaggcgg	aggttgcggg	gaactgagat	cgtgccattg
25441	cactccagcc	tgggcaacaa	gagctaaact	ccgtctcaaa	aaaaaaaaaa	tgtttttcaa
25501	atattagccg	ggtatggtgg	tgctctgtag	tcccagctac	ttgggaggct	gagatgggag
25561	gatcacttga	gcccaggagt	tcaaggttac	agtgagctat	gattgtgcca	ctgtattcca
25621	gcctgggttaa	cagagggaga	cccgtttaaa	aaaaaaaaaag	tgatggctaa	agtccttcca
25681	tggctcccta	ttgccctcag	tataaagaac	acatgtggct	gggcgtgggt	gttcacgcct
25741	gtaatcccag	cactttggga	ggctgaggcg	ggcggatcac	ttgaggccag	gagtttgaga
25801	gcaggctggc	cgacgtggcg	aaaccccgct	tctattaaaa	atacaaaaat	tagctgggcy
25861	tggtgggtgct	tgccctgtaat	cccagatact	ctggaggctg	aggcaggaga	atcacttgaa
25921	cccgggaggg	aaaggttgca	gtgagctgag	attgcgccac	tgactccag	tctgagtgac
25981	aaagcgagac	tccatctcaa	aaaaaaaaaaa	aataaaaagaa	cacatcttta	gcattggcct
26041	cagtgtctcac	gggatcttcc	tgaattaatc	tccccctctt	catccttgct	cactcagctc
26101	cagccaccct	gccccgggac	atctgtactt	gcctggaact	tatttccctt	ttctccggac

FIGURE 1-H

26161	agccagccct	ttctcgtcat	ttagatctct	gctgaaacat	taccctgtca	ccaaagcact
26221	gtctattcta	tcaccctggt	ttgtttttgt	caaagctcat	attaacatca	gttatttaatt
26281	atcttggttg	ctcataaattt	tttttttttt	ttttttggag	acagagtctc	gttctgttgc
26341	tcaggctgga	gtgcagtggc	acaatcttgg	ctcactgtaa	cctccacctc	ccaggttcaa
26401	gtgattcttg	tgccctcagcc	tcccaaatag	ctaggactac	aggcacgtcc	caccatgccc
26461	agctaatttt	tgtattttta	gtggagacgg	ggctttgtca	tggtggccag	gctgatctca
26521	aattcctgac	ctcaagtgat	ctgcccgcct	tgccctccca	aagtgtctgg	attacaggcg
26581	tgagccacca	cacccgccct	gctcatgaat	tttctcttta	acttccacat	cgaaggcaaa
26641	gtattgtctt	gttaaggctg	tgccctccagc	acccagcaca	ggctgggcgc	acattccctt
26701	gatgaacctg	atttgtaatg	cctgtcgcct	cttccctcgt	ttcttctagg	acctggcaat
26761	gcccagacat	ctgtgtcccc	ctcaaaagtc	atcctgcccc	ggggaggctc	cgtgctgggtg
26821	acatgacgca	cctcctgtga	ccagcccaWg	ttgttgggca	tagagacccc	gttgcttaaa
26881	aaggagttag	tcctgcctgg	gaacaaccgg	aagggtgatg	aactgagcaa	tgtgcaagaa
26941	gatagccaac	caatgtgcta	ttcaaaactgc	cctgatgggc	agtcaacagc	taaaaccttc
27001	ctcacctgtg	actgtgagta	actgagcccg	gagggtgga	ctaggcagac	ccggtgggag
27061	agacgtgcag	gggcacctgc	agaggcctgg	gggaatcttt	gccacttgtg	ctgagggtga
27121	aggaggggct	ccttgcaggg	cagggtggga	catccttggg	aagtcccttt	gtgaatttct
27181	ttgggtacaa	ttaaagtatt	tacaggctgg	gtcgggtggc	tcatgcctgt	aatcccagca
27241	ctttgagagg	ctgaggctgg	cggatcacct	gagatcagga	gtttaagttt	cgccaacatg
27301	gcgaaacctc	gtctctgctg	aaaatacaaa	aatcagccgg	gcatggtgtg	acgcctctgt
27361	aatcccagct	acttggaagg	ctgaggcagg	agaacgcttg	aacctgagag	gcagagattg
27421	cagtgcagcc	cgatcgtgcc	agtgcactcc	agtctggata	acagagcaag	attccatctc
27481	aagaaaaaaa	aaatgccatc	tctctatgcc	tactcttttg	aacatatgac	acggtcctgc
27541	ttcagacact	ttaataaaaag	atgcaaatga	agccaagtgt	ggtggctgtg	acctataatc
27601	ccaactactc	cagaggctga	ggcagaagga	tggtttgagc	ccaggagtgt	gagaccagcc
27661	tgggcaacag	agtgcagacc	tgtttctttc	tttttttttt	tttttttttt	gagaccgagt
27721	ctcactctgt	cgcccaggct	ggagtgcagt	ggtgtgatct	cggctcactg	caagctccgc
27781	ctcccgggtt	cacgccaattc	tcctgcctca	gcctcccag	tagctgggac	tacaggcgcc
27841	tgccaccatg	cccggctcat	ttttttgtat	tttttagtaga	gacggggttt	cactgtgtta
27901	gccaggatgg	tctcaatctc	ctgacctagt	ggtccgcccc	cctcggcctc	ccaaagtgtc
27961	gggattacag	gtgtaagcca	ctgtgcccat	ccaagaccct	gtttctaccg	gaaaaaaaaa
28021	gtaaataatt	tagctgggca	ctgtgtgtgt	cacctgtaat	cccagctgtc	actgaggctg
28081	tgatgggagg	attgtcttaa	cccagggttt	cgaatcctag	gagttcgaat	ccatcctagg
28141	caacatagca	aaacccatt	tttatttaaa	aaaaaaaaaa	aagatatgag	ttaaaactag
28201	ccctgggatg	gcatttttca	catattggta	acaaacaaaa	gaattgatgg	ccgggcgcag
28261	tggtctacgc	ctgtaatccc	agcactttgg	gaggccgagg	cgggcgcag	acaaagtcag
28321	gagatcgaga	ccatcctggc	taacatggtg	aaaccccgtc	tctactaaaa	ctacaaaaaa
28381	ttagccgggc	atggtggcag	gcgcctgtgg	tcccagctac	tcaggaggct	gaggcaggag
28441	aatggcatga	accggggagg	cagagcttgc	agtgcagcaa	gatcgtgcca	ctgcactcca
28501	gcctgggcga	cagagcaaga	ctccatctca	aaaaaaaaaa	aaaaaaaaaa	aattgataac
28561	agctgtgctg	ccaaggctat	tggaacgtag	gaggtcctag	gacagtgtctg	ttgggagcat
28621	aaataagccc	aaccctgtgg	cgggaaattg	ggcatcagtt	ctcaaaatgt	catgggctgg
28681	gcacggtggc	tcacgcctgt	aatcccagca	ctttgggagg	ctgaggggagg	cggatcactt
28741	gaggtcagga	gttcgagacc	agcctgacca	ccatggagaa	accccgctc	tattaaaaat
28801	acaaaaaaaa	ctagccaggc	atagtgccac	atacctgtaa	tcccagctac	tcgggaggct
28861	gaggcaggag	aatctcttga	aactgggagg	cagagggttg	ggtgagctga	gattgcgcca
28921	ctgactcca	gcttgggcaa	caagagcaaa	actccatctc	aaaaaaaaaa	aaaaaagaaa
28981	taaaagaagg	tatgttgaat	atgagtggta	tgccaccctc	acattaggga	agggcagttt
29041	cggggagggt	gtatttatgt	ataaaatagc	cctaaaagga	agtggggagaa	atgacaatat
29101	tagctggcta	tgagaagaga	ggctgggagg	ctgtgggaga	gggcttgggt	gtggagaatt
29161	ctttttgttt	tttctttttt	ttgagacaga	gtttcactct	tggtgccag	gctggagtgc
29221	aatggcacga	tctcagctca	ccgcaacctt	cacctcctga	gtttaagtga	ttctccggcc
29281	tcagcctccc	gactagctgg	gattacaggc	atgggccact	acgcctggca	aattttgtat
29341	tttttagtaga	gacagggttt	ctccatgttg	gtcaggctgg	tcttgaactc	tgacctcagg
29401	tgatccgccc	gcctcggcct	cccaaagtgc	tggtgattaca	acgtgagcca	ctttgcctgg
29461	ctgagaattc	tttttttgg	gttgtctttt	tgagatggag	ttttgctgtg	tcccagcctc
29521	ggagtgcagt	ggtgtaatct	cagctcactg	caacctctcc	ctcccgggtt	caagcaattc
29581	tcctgcctca	gcctcccaag	tagctggaat	tacaggcgcc	cagcaccacg	ccYggcta
29641	ttttgtat	ttagtagaga	cgggatttcc	tcatgttggc	caggctggtc	ttgatctcct
29701	gacctgtgga	tctgcccgc	tcggcctccc	aaagtgtctg	gattacaggg	gtgagccact
29761	gccccagcc	gagaatttct	ctttgcgtcc	ttcctacttt	ggggacttcg	aatggtggga
29821	aagagtatc	aaggccaaaa	taagggaattc	aaatgaaaac	aaaacaaaat	caaagaagaa
29881	aaaacagaag	agcactgggc	aggctaggca	cgtggctcat	gcctataatc	ccagtgtatt

FIGURE 1-I

29941	agaagggcca	agtagaagga	tcgcttgagg	gccaggagtt	ggacaccagc	ctgggcaaca
30001	tagcaagacc	ccatatctac	aaaaataaaa	aaacctaac	aagcgtgctg	gcatactagt
30061	agtcccagct	actcaggagg	ctgagggtgg	aggatcacct	gagcctggga	ggtccaggct
30121	gtagtggacc	gtgatgacac	cactgcactc	cagcctgggt	gacagagaaa	gacctgtct
30181	ctaaaaata	aaaactggcc	aagtagcttt	gggattagcc	ttgggttcca	gtcccagcaa
30241	ggcctttaat	agcttgggac	atgacttctg	catttacttt	gcaatcaggt	gagacctcct
30301	ctgatgggga	aaatgacacg	gtgagtgaca	aaggatgttc	tcctatcatt	gtgtcagggc
30361	aaggaagcct	ctgggtaaa	gatcaaatga	tcagctttgc	ttctgatttg	gaggggtggg
30421	gagcagatgc	tgaccttccc	aggtgaggga	agtccccgaa	cattcccagc	agcttctgga
30481	aaccccagg	aaacctcttt	gaaggtcttt	tctgcatctc	tgccctgatg	gtcttttttt
30541	tttttttttt	ttttttcttt	tttttgacac	acagtcttgc	tctgtcgccc	aggctggatc
30601	actgcaacct	ccatctccc	ggttcaagca	gttctcctgc	ctcatcctct	ccagtatagc
30661	ggattacagg	cacctggcac	cacgctggc	taatttttgt	atttttagta	gagacaggg
30721	ttcgccaagt	tgccaggct	ggtctcgaa	tctagacctc	tggtgatcca	cccgcctcag
30781	cctccgaag	tgctgggatt	acaggcttga	gccaccacgc	gcggctctgc	ctgatagctg
30841	agagcataga	actccagggt	tgagacctgg	ctctgccaca	tttctccctc	tatgactgtg
30901	ggtgccccac	tttgcccttag	tttttacctc	tgtgaaatgg	agcagatggc	tgccacaggt
30961	agcaaaggag	taaaagtatt	gtgggagggt	ggtacctgag	agagactcta	gcttgggtctt
31021	gccccacccc	tggtgtaaac	ataaagaagc	ctccctggat	ggctcaatct	tctccaaaaa
31081	ggttagagg	gtaattccta	gaggaggcga	ccactagctg	ggctttgaag	gatgtgtagg
31141	agttcataag	gacaggcatt	ctgggcagg	ggaacagcct	gggcaaaagt	tggggacagg
31201	gagaaatctt	gatggaggca	ggaggaggag	gaggtagggt	ggtgtaggcc	aggYgcagt
31261	gctcacacct	gtaatcccag	tgctttggga	ggccaaagca	agaggattgt	ttgagcccag
31321	gagttcgaga	ccagcctggg	caacatagcg	agaccctgtc	tctaagaaaa	aataaaaaaa
31381	ttaggggtaca	gtggcatatg	cttgatttct	caactactct	ggaggctcaa	gtgggaggat
31441	cacttgaacc	caggaatttt	tttgtttttg	ttttgttttt	tttgagatgg	agtctcactc
31501	tgtggcccag	gctggagtgc	agtgttgcca	tcttggtcca	ctgcagcctc	ctccacctcc
31561	tggtttcaac	cgattctgct	gcctgagcct	cccaggttgc	tggtgattaag	gtgccacca
31621	tcattgccag	ctaatttttt	tgtattttta	gtagagatag	ggtttaccat	gttagccagg
31681	ctggtcttga	acgcctgacc	gcaagagatc	ctcctgcctc	agtttcccaa	agtgtgggga
31741	ttataggtgt	gagccactga	gcctggtcaa	gcccagggaat	ttgaggttac	agtcagctat
31801	gattgcacca	ctgcattcca	gcccagggtga	cagagagaga	cactgcccct	aaaaaaaaaa
31861	aaaaaattga	ttgatgggag	gaagggtgag	gttggcagag	ccttgaatgc	caggtggagg
31921	agctgggact	ttccttcttg	gggtgatagg	gagtcattga	gggtttStga	gcaggccagg
31981	gattagatag	ctgaaggctg	gatttactgg	aagccaatga	gcagtgggct	atggctcctt
32041	tccacgcggc	ccatgttggt	ggcagtgacc	gtattcaaga	agggaaaggac	agacaagtat
32101	ttgaatactt	cagtgaccag	gatttggtaa	aggactgcag	gtcagggtca	agaagagggt
32161	agagcaggac	agacttcttc	cccgtgcac	caggcagctg	agctgggttt	cctctagggg
32221	ctgagggttg	agggtacctc	aagtctctga	agagtctata	ggaggtggta	agagagaaga
32281	gctggaggtc	agagttttct	tgactatata	tatatatatt	ttttgttttt	gttttttaac
32341	agcttaacag	ctttctgttt	tatttttaga	gacagggtct	cagggtctca	ctttgtcacc
32401	caggctggag	tgacgtggta	caatcgtagc	tgactgcagc	ctcaaaactc	caggctcaag
32461	aaatcctcct	cccaccctta	gcctcctgag	tagcaggggac	tacaggtgtg	agccagcagg
32521	aagcccagct	ggtttttttt	ttttctttgg	tggtttttgt	ttgtttgttt	gagaccggag
32581	tttgcgtctt	attgcccagg	ctgaagtgc	atggcaggat	cctagctcac	cacaacctcc
32641	gacccccagg	atcaagctat	tctcttgctt	cagccacctg	agtagctggg	attacaggca
32701	tgcgacacca	cacaaggcta	attttgtatt	tttagtaaag	acagggtttc	tccatggttg
32761	tcaggctggt	ctcgaactcc	caacctcaga	tgatccacct	gcctcggcct	cccaaagtgc
32821	tgagattaca	ggcatgagcc	accgtgcccg	gccttttttt	tttttttttt	ttttttgaga
32881	cagagtctca	ctctgtcgcc	caggcaggag	tgactgggtK	cgatctgggc	tcactgcaag
32941	ctccgcctcc	cgggttccact	ccatcctcct	gccttagcct	cctgagtagc	tgggactaca
33001	ggcgcccacc	accacgcctg	gctaattttt	tgtattttta	gtagagacgg	ggtttcaccg
33061	tgtagccag	gatggtcttg	atctcctgac	ctcgtgatcc	gcccgccttg	gcctcccaaa
33121	gtgctgggat	tacaggcgtg	agccaccatg	tctggcctgg	ccaggctggt	cttgaaactcc
33181	tgacttccgg	tgatccatct	gttctggcct	cccaaagtgc	tggtgattaca	ggcataagcc
33241	accacgccat	gcccgaagccc	agcttgtttt	taattttttt	tttttttttt	ggagaaatga
33301	ggtcttgcaa	tggtgcccaa	gctagccttg	aactcctggc	ctcaaatgac	cccgcccttg
33361	catcccaaag	tactgggatt	acagatgtga	gccaccatgc	cccagccttg	ctttcttgag
33421	atacgattta	gaataccata	agattcatcc	cttttaagca	cataattcaa	tgacttctgt
33481	acaacaacc	atgactacaa	tctaatttta	aaatatttca	atcactctaa	aaaagaacc
33541	tctgctttat	gtacagcgac	tctgtctacc	tcttaagtga	attctcctac	ctttaatagc
33601	cctatttttac	agttcaggaa	actgaggttc	agagagacaa	agtcacttac	ccacagcaaa
33661	gaagcaaggc	tggttatcaa	atgcaggacc	cccccggtcc	tgatgctttt	tttttttttt

FIGURE 1-J

33721	tttttttctt	ctgagagaga	ctctcactct	gtcactcagt	ctagagtaca	gtggcgcgat
33781	ctcagttcac	tgcaatctct	gcctcctggg	ctgaagtaat	ccttttctca	caagtaaacc
33841	tcagcctctc	aagtagctgg	gactacaggc	acacaacacc	acgcctggct	aatttttcta
33901	tttttaggta	gagacggggt	ttcactatRt	tggccaggct	ggtcttgaac	tcctgacctc
33961	aggtgatccg	cctgcctcgg	ccccccaaag	tgttgggatt	acaggcgatg	gccaccacac
34021	gcagcctttt	tgttattaga	ctctgtcatt	actgactttt	tttttttttt	aatagaaaca
34081	gggtctttct	ttcccaggct	aaagtacagt	ggcatgatca	cagttcacta	tagccttaaa
34141	ctcctgggct	caagtgatcc	tcctgcctca	gcctcccaag	tagcagggac	tacaggtgtg
34201	caccaccaca	cccagttaac	cattcattca	ttcattcatt	catttatatt	gagatggagt
34261	ctcgctctgt	cacctaggct	ggagtgcagt	ggcacgatct	cagctcactg	caacctccac
34321	ctcccagggt	caagagattc	tcctgcctca	gcctcccagg	tagctgagac	tacaggcggt
34381	caccaccatg	ccagactaat	ttttgtattt	ttaatagaga	cgggggtttc	ctctgttggt
34441	caggcttatc	tcgaactcct	gacttcgtgg	atccaccctc	cctggcctcc	caaagtgtgt
34501	ggattaaagg	cgtgagccac	cgcgccctgc	caaccttttt	ttaatttttc	ttagagatgg
34561	gggtctccct	atgttgccca	ggcttgtctt	gaactcctgg	cctcaagtga	ccctcttgcc
34621	ttggcctcac	aaagtgttag	gattacagcc	tgagccatca	cacctgggca	acaggttttt
34681	ttttttgttt	tgttttgttt	tttaagaagt	gtctaggcca	ggctcattta	ctttcacctg
34741	taatcccagc	actttgggag	gccgggggtg	gcagatcact	tgaggtcagg	aattcgagac
34801	cagcctgggc	aacatgctga	aaccgcgttt	ctactaaaaa	tacaaaaatt	agctgggtgt
34861	ggtgacacgt	gcctgtaatc	ccagctactc	aggaggttga	ggcaggagaa	ttgcttggaac
34921	ccaggaggca	gaggttgtag	tgagccaaga	tcattgccatc	accctccagc	ctgggcgaca
34981	gaaggagact	cagtctaaaa	acttaattaa	ttaatatttt	aaaaataaaa	atacaaaaat
35041	taacctgggt	tgggtggtgt	tgccgtgaat	ctaagctact	caggaggctg	aggcaggaga
35101	atcccctgaa	tcccagaggc	agaggttgca	gtgagccaag	atcgagccac	tgtttgccca
35161	gtctagtga	ctgggctgct	gaatttatatt	gaccagacac	ctagcaatag	actttgaagt
35221	tcttttccac	ttttcactct	aagatgctgc	tgtcatgaat	aaggaaatatt	ttgatcccct
35281	tcacaaacac	tcggggccct	cttaccagtt	ttcactgaag	atcttgacat	tcctatctgc
35341	ttaggtgtct	gggctgtttt	gggggagata	ctgaagaggt	agggtcccca	ggcaggtgca
35401	gttctgtctg	taggcaggca	gcaaggtcca	cttcaccaga	cacccccacc	tgtgttttcc
35461	tgcagggact	ccagaacggg	tggaaactgg	acccctcccc	tcttggcagc	cagtgggcaa
35521	gaaccttacc	ctacgctgcc	aggtggaggg	tggggcaccc	cggggcaacc	tcaccgtggt
35581	gctgctccgt	ggggagaaSg	agctgaaacg	ggagccagct	gtgggggagc	ccgctgaggt
35641	cacgaccacg	gtgctggtga	ggagagatca	ccatggagcc	aatttctcgt	gccgcatgga
35701	actggacctg	cgcccccaag	ggctggagct	gtttgagaac	acctcgcccc	cctaccagct
35761	ccagaccttt	ggtgaggatt	gaagaagcca	gcagggagaa	ggtgggggtg	gggtatcctg
35821	caatgcgggt	cctgtggcca	caggatcttt	tgagatgggt	gtggcccccg	ctaagggggt
35881	catgtgttct	aggcgtatgt	gacctaggct	gctgagtggc	cctggaagag	gatctcgag
35941	gagggggaat	gaaatgcccc	agagaagggc	ttcgggacgt	ccatccctgt	ctgctcacac
36001	ctttcttctc	tccctagtcc	tgccagcgac	tccccacaaa	cttgtcagcc	cccgggtcct
36061	agaggtggac	acgcagggga	ccgtggtctg	ttccctggac	Rggctgttcc	cagctctcga
36121	ggcccaggtc	cacctggcac	tgggggacca	gaggttgaac	cccacagtca	cctatggcaa
36181	cgactccttc	tcggccaagg	cctcagtcag	tgtgaccgca	gaggacgagg	gcaccagcg
36241	gctgacgtgt	gcagtaatac	tggggaacca	gagccaggag	acactgcaga	cagtgaccat
36301	ctacagtaag	aaggggcagg	ggcggagtgg	ggcttcttR	gggtgtgacc	tgaaccgggg
36361	gcggggctca	ctgtgtgcct	attccaggct	ttccggcgcc	caacRtgatt	ctgacgaagc
36421	cagaggtctc	agaagggacc	gaggtgacag	tgaagtgtga	ggcccaccct	agagccaagg
36481	tgacgctgaa	tgggggtcca	gcccagccac	tggggcYgag	ggcccagctc	ctgctgaagg
36541	ccaccccaga	ggacaacggg	cgcagcttct	cctgctctgc	aaccctggag	gtggccggcc
36601	agcttatata	caagaaccag	acccgggagc	ttcgtgtcct	gtgtgagtgg	ggctgctggg
36661	caatggcccc	tatcccccaa	ggcccaatct	ccctgaaggt	cccataaggt	cttgctcca
36721	agtctgcccc	ccacccacct	ccatgtcatc	tcactgtgtt	tttccagatg	gccccRact
36781	ggacgagagg	gattgtccgg	gaaactggac	gtggccagaa	aattcccagc	agactccaat
36841	gtgccaggct	tgggggaacc	cattgcccga	gctcaagtgt	ctaaaggatg	gcactttccc
36901	actgcccac	ggggaatcag	tgactgtcac	tcgagatctt	gagggcacct	acctctgtcg
36961	ggccaggagc	actcaagggg	aggtcacccg	cRaggtgacc	gtgaatgtgc	tctgtgagtg
37021	agccggcggg	cagagctggg	tgggggcagg	ggccatggac	ctaagtcaat	cctcaccgcc
37081	tgttgatatc	tccccacagc	cccccggtat	gagattgtca	tcactactgt	gttagcagcc
37141	gcagtcataa	tgggactcgc	aggcctcagc	acgtacctct	ataaccgcca	gcggaagatc
37201	aagaaataca	gactacaaca	ggcccaaaaa	gggaccccca	tgaaccgga	cacacaagcc
37261	acgcctccct	gaacctatcc	cgggacaggg	cctcttctct	ggccttccca	tattgggtggc
37321	agtgtgtgcca	cactgaacag	agtggaaagac	atatgccatg	cagctacacc	taccggccct
37381	gggacgcccc	aggacagggc	attgtcctca	gtcagataca	acagcatttg	gggccatggt
37441	acctgcacac	ctaaaacact	aggccacgca	tctgatctgt	agtcacatga	ctaagccaag

FIGURE 1-K

37501	aggaaggagc	aagactcaag	acatgattga	tggatgttaa	agtctagcct	gatgagaggg
37561	gaagtgggtg	gggagacata	gccccaccat	gaggacatac	aactgggaaa	tactgaaact
37621	tgctgcctat	tgggtatgct	gaggYccac	agacttacag	aagaagtggc	cctccataga
37681	catgtgtagc	atcaaaacac	aaaggccac	acttcctgac	ggatgccagc	ttgggcactg
37741	ctgtctactg	accccaaccc	ttgatgatat	gtattttattc	atattgttatt	ttaccagcta
37801	tttattgagt	gtcttttatg	taggctaaat	gaacataggt	ctctggcctc	acggagctcc
37861	cagtccRat	cacattcaag	gtcaccaggt	acagttgtac	aggttgtaca	ctgcaggaga
37921	gtgcctggca	aaaagatcaa	atggggctgg	gacttctcat	tggccaacct	gcctttcccc
37981	agaaggagtg	atttttctat	cggcacaaaa	gcactatatg	gactggtaat	ggttacaggt
38041	tcagagatta	cccagtgagg	ccttattcct	cccttcccc	caaaactgac	acctttgtta
38101	gccacctccc	caccacacata	cattttctgcc	agtgttcaca	atgacactca	gcggtcatgt
38161	ctggacatga	gtgcccaggg	aatatgccca	agctatgcct	tgtcctcttg	tcctgtttgc
38221	atttcactgg	gagcttgcac	tatgcagctc	cagtttcctg	cagtgatcac	ggctctgcaa
38281	gcagtgggga	agggggccaa	ggtattggag	gactccctcc	cagctttgga	agcctcatcc
38341	gcgtgtgtgt	gtgtgtgtat	gtgtagacaa	gctctcgctc	tgtcaccag	gctggagtgc
38401	agtgtgcaa	tcatggttca	ctgcagtctt	gaccttttR	gctcaagtga	tcctcccacc
38461	tcagctcct	gagtagctgg	gacctataggc	tcacaacacc	acacctggca	aatttgattt
38521	tttttttttt	tYcagagacg	gggtctYgca	acattgccca	gacttccttt	gtgttagtta
38581	ataaagcttt	ctcaactgcc	tcagccttgt	gtgagttgag	gggaggtgtc	acatccagct
38641	ggagtccctt	ctaagcagcc	acagcctgat	cctcccactt	cctcccccaa	gaaaacattg
38701	tgggttgatg	gYcataccct	gaggttctgg	tccaaatacg	actttctatg	accttctggg
38761	tctctagtga	aaactaaaga	ctcctctcca	gaaaaaaaca	tttggtttct	aatgaggcct
38821	ggaatcttat	tcttgacctg	gggagcggaa	tccttttttg	cagtactccc	gggcctctg
38881	ttggggcctc	cccttctctc	ccagggtgga	gtcgaggagg	cggggctgcg	ggcctcctta
38941	tctctagagc	cggccctggc	tctctggcgc	ggggccctt	agtcgggct	tttgccatg
39001	gggtctctgt	tccctctgtc	gctgctgttt	tttttggcgg	ccgcctaccc	gggagttggg
39061	agcgcgctgg	gacgcgggac	taagcgggcg	caaagcccca	agggtagccc	tctcgcgccc
39121	tccgggacct	cagtgcctt	ctgggtgcgc	atgagcccg	agttcgtggc	tgtgcagccg
39181	gggaagtcag	tgcagctcaa	tgcagcaac	agctgtcccc	agccgacaga	ttccagcctc
39241	cgcaccccg	tgcggcaagg	caagacgctc	agagggccgg	gttgggtgtc	ttaccagctg
39301	ctcgacgtga	gggcctggag	ctccctcgcg	cactgcctcg	tgacctgcgc	aggaaaaaca
39361	cgctgggcca	cctccaggat	caccgcctac	agtgagggac	aggggctcgg	tcccggctgg
39421	ggtgagggga	gggggctgga	agagggtggg	gaagggtagt	tgacagtgcg	tcctataggga
39481	gcgcccgcgg	acctcaactca	gaggctcccc	cttgcttag	aaccgcccc	cagcgtgatt
39541	ttggagcctc	cgtgtctaaa	gggcaggaaa	tacactttgc	gctgccacgt	gacgcagggtg
39601	ttcccgggtg	gctacttggg	ggtgacctg	aggcatggaa	gccgggtcat	ctattccgaa
39661	agcctggagc	gcttcaccgg	ctctgactcg	gccaacgtga	ccttgacctc	cagtttgcct
39721	gctggacccc	gcgacttctg	gcagcccggtg	atctgccacg	cgcgcctcaa	tctcgacggc
39781	ctggtgggtcc	gcaacagctc	ggcaccatt	acactgatgc	tcggtgaggc	accctgttaa
39841	ccctggggac	taggaggaag	ggggcagaga	gagttatgac	cccgagaggg	cgcacagacc
39901	aagcgtgagc	tccacgcggg	tcgacagacc	tcctgtgtgt	ccgttctctaa	tcctgcctt
39961	ctgctccag	cttggagccc	cgcgccca	gctttggcct	ccggttccat	cgctgcctt
40021	gtagggatcc	tcctcactgt	gggcgctgcg	tacctatgca	agtgccctagc	tatgaagtcc
40081	caggcgtaaa	gggggatgtt	ctatgccggc	tgagcgagaa	aaagaggaa	atgaacaat
40141	ctggggaaat	ggccatacat	ggtggctgac	gcctgtaatc	ccagcacttt	gggagggcga
40201	ggcaggagaa	tcgcttgagc	ccaggagtcc	gagaccagcc	tggacaacat	agtgagacc
40261	cgtctatgca	aaaaatacac	aaattagcct	ggtgtgggtg	cccgcacctg	tggctccagc
40321	taccggggag	gctgagttgg	gaggatcctt	tgagccctga	aagtcagagt	tgcagtgagc
40381	cttgatcggtg	ccactgcact	ccagcctggg	ggacagagca	cgaccctgtc	tccaaaaata
40441	aaataaaaaat	aaaaataaat	attggcgggg	gaacctctg	gaatcaataa	aggcttcctt
40501	aaccagcctc	tgtcctgtga	cctaagggtc	cgcttactg	cccttcttcg	gaggaaactg
40561	tttgtttttg	ttgttgttgt	tgtttttgcg	atcactttct	ccaagttcct	tgtctcctg
40621	agggcacctg	aggtttcctc	actcagggcc	cacctggggt	cccgaagccc	cagactctgt
40681	gtaKccccag	cggtgtcac	agaaacctct	ccttctgctg	gccttatcga	gtgggatcag
40741	cgcgggccgg	ggagagccac	gggcaggggc	gggtgggggt	tcagtgtatg	gctttcctga
40801	ttggcgccgc	cgccaccacg	cggcagctct	gattggatgt	taagtttctt	atcccagccS
40861	caccttcaga	ccctgtgctt	tctgtgaggc	caaacaactg	tggagcgaga	actcatctcc
40921	aaaataaactt	accacgctgg	agtgagacca	cgaatggtgg	ggaggggagg	gtcccacgga
40981	catattgagg	gacgtggata	cgcagaagag	gtatccatgt	ggtggcagcc	gggaaggggt
41041	gatcagatgg	tccacaggga	atatcacaaa	ctcgaattct	gacgatgttc	tggtagtcac
41101	ccagccagat	gagcgcatgg	agttgggggt	gggggggtgc	aaagcttggg	cccgggaagc
41161	ggagtcaaaa	gcataccctt	cggctccctt	ttctcgctg	gatgtcaggg	ccYccacca
41221	ccgagcagaa	ggcggactca	ggggcgctcc	aggttggtc	gagctcacac	acgctgagta

FIGURE 1-L

41281	gacacgtgcc	cgtgacccc	tgggtaaata	cagacccgga	gccgagcgga	ttctaattta
41341	gacgcccgcg	aacgctgcgc	gcacgcacac	gtgtcctcgg	ctcgctggca	cttctgtccc
41401	gccccctccg	tcgctgcSg	gagctgaccc	ggaggggtgc	ttagagggtat	ggctccgcgg
41461	ggtaaaagg	agaaggatca	gtgagagagg	catcccaca	ccctccccta	gaactgtcct
41521	ttcccacatcc	agtgcctccc	aaatctctct	tagtcccaaa	atgtatcccc	gccctaaggg
41581	gcgctgggtg	gaggagctaa	atgtgggggc	ggRgctcggg	gtccagctta	ttatcatggc
41641	atctcagcca	gggctggggg	aggggtttgg	gaagggcaac	ccagcatccc	ccgatcccg
41701	agtgcggggc	ggggatgacg	cgagagagcg	tggctgcgcc	cagaaggccc	tgggccatca
41761	tgccggcctc	cacgtagacc	ccaggggctg	ctcactcctg	ccagctcgcc	ttcaaccaag
41821	ccaggagctt	agcgcacgct	cgcctccgcg	ccccccgccc	cctctgcgcg	cgccccctcc
41881	ttggaaacca	agttaccaac	gttaaaccac	tcccaagcg	caactctgcc	tccccacac
41941	cccacccgcc	gcgcgcgcg	gagccgtcct	ctagcccagc	tctctggctc	cgctctcctc
42001	cgctcctgt	gctttccccc	ccgcggcgat	gccagggcct	tcgccagggc	tgcgcccggg
42061	gctactcggc	ctctgggctg	ctctgggcct	ggggtctctc	ggcctctcag	gtaagagccc
42121	cgctctggtt	cggggtggac	agggcggggg	cggagtcctt	ggacctgaga	aacggcctcc
42181	tgtccctccc	agctctgccc	tgcctcctg	cccacgcctc	tgccccacc	tgagcctga
42241	gtcttctccc	cttccccctc	ctcccaaca	cacacccgag	ccccagcttc	ctgactcctc
42301	gatagccctt	acccgcttcg	agatcctagg	tgttcttccg	cacccaaccc	ttcgccctgg
42361	agaccagtg	tctctcctgt	ccgctccccg	ggtacctcct	tacgtStgc	tgtgcaccat
42421	ggccaacgga	ctggcatctt	ccccactcgc	ggtccgcgaa	gactccatct	ctccaactac
42481	cctgactcag	agggcgtgtt	cccgctccac	ccagagccct	ggcaaccggg	tcctcagct
42541	gttcccgcgg	ttccttccat	gagcccagcc	ttgcgtcccg	gctccgtgtt	cttcaccggg
42601	tgtagggtcc	ttcctgatcc	ttgaccagc	ctcgtctctc	ctttgcctt	gccgaaaacg
42661	cactctcttc	gtatcccggc	attctgccag	gacctgaga	actggttcat	cccccatccc
42721	ccatcccggg	tccccttctc	tcagccttgc	tgtgttcac	caagaaccca	cctttcctct
42781	cctctaagcc	ctccccccat	gctttccgcg	cgctccatcg	gcgctttgga	gaccatggct
42841	ctctgctacc	acgtcccaga	gacaccctcg	aggttttagac	tctgggagtg	cgcttttaaa
42901	ccggaggcct	gggcaggacg	cgggacgcct	gggttctttc	cctggctgca	cgctctcctc
42961	ctcctccccg	ccctctgaga	acccttgact	cgacataggg	gcgctaagat	gtcagggagt
43021	tggctcccca	ggctcagccc	gcgtttccct	gggcagcggt	ctcgaggag	cccttctggg
43081	cggacctgca	gcctcgcgtg	gcgttcgtgg	agcgcggggg	ctcgctgtgg	ctgaattgca
43141	gcaccaactg	ccctcggccg	gagcgcggtg	gcctggagac	ctcgctgcgc	cgaacaggga
43201	cccagagggg	tttgcgttgg	ttggcgcgcc	agctggtgga	cattcgcgag	ccggagactc
43261	agcccgctctg	cttcttccgc	tgcgcgcggc	gcacactaca	ggcgctggg	ctcattcgca
43321	ctttccgtga	gttctgggtg	gccacgcgcg	tactccacta	ctctccctcc	ctcccaggcc
43381	ccgccccctg	ggteccaggg	tccctccctt	caggccccac	cttctgttcc	aagtcccgY
43441	gttcaaaag	ctgcggactc	ttccccttg	cagagcgacc	agatcgctga	gagctgatgc
43501	cgctgcctcc	ctggcagccg	gtgggcgaga	acttcaccct	gagctgtagg	gtccccggcg
43561	ccgggccccg	tgcgagcctc	acgctgaccc	tgctgcgggg	cgcccaggag	ctgatccgcc
43621	gcagcttcgc	cggtgaacca	ccccgagcgc	ggggcgcggt	gctcacagcc	acggtactgg
43681	ctcggaggga	ggaccatgga	ccccatttct	cgtgtcgcgc	cgagctggac	ctgcggccgc
43741	acggactggg	actgtttgaa	aacagctcgg	ccccagaga	gctccgaacc	ttctgtgagt
43801	gggtgtgggg	aggagatggg	gacccagtgg	ggtcggtcgg	tgtttaggag	gttttagaggt
43861	agatacatct	gaatgctgac	cccgaactca	accctcgccg	gctgagctgt	ttccccctcc
43921	gtgccttgag	gatgataata	cgataagata	gtgcatgtca	agtgcctagg	acatatagg
43981	cgctcggagt	tagttcaaac	ttggttcttc	gacccctagc	cctgtctccg	gatgccccgc
44041	gcctcgctgc	tccccggctc	ttggaaagtg	gctcggaag	gcccgtgagc	tgcactctgg
44101	acggactgtt	tccagcctca	gaggccaggg	tctacctcgc	actgggggac	cagaatctga
44161	gtcctgatgt	cacctcgaa	ggggacgcat	tcgtggccac	tgccacagcc	acagctagcg
44221	cagagcagga	gggtgccagg	cagctgRtct	gcaacgtcac	cctggggggc	gaaaaccggg
44281	agacccgga	gaacgtgacc	atctacagta	aggaaggagg	cggggtctcc	gcggctccga
44341	gggtgggacca	gaggaatgcg	aaggcggggc	gaagagtggg	cgggacctca	gtaccggaac
44401	aggcgtggcc	cgagggggcg	ggcaggtggg	ggcgagagcg	taatcgctgg	ggaggaggag
44461	cctgtacagc	ctgagaggcg	gggcgcgcta	ccctagtctg	ttctcagcac	cccaggagatt
44521	cgggcagata	agggggcggc	cttgaccggg	gggaggggta	tggctagtat	actacgacca
44581	aatgtccgcg	ccccaggctt	ccccgcacca	ctcctgaccc	tgagcgaacc	cagcgtctcc
44641	gaggggcaga	tggtgacagt	aacctgcgca	gctgggRccc	aagctctggg	cacactggag
44701	ggagtccagc	ccgcgggtccc	ggggcagccc	gcccagcttc	agctaaatgc	caccgagaac
44761	gacgacagac	gcagcttctt	ctgcgacgcc	accctcgatg	tggacgggga	gacctgatc
44821	aagaacagga	gcgcagagct	tcgtgtccta	tgtgagttgg	tgataacccc	tcgcccccca
44881	ccttctggtg	acttccaagg	accgcctgc	tccctcaccg	tgtcgtggag	cgggagccat
44941	ttcttacgct	taagcctctg	taaccccacg	ccctgcccgc	agacgctccc	cggctagacg
45001	attcggactg	ccccaggagt	tggacgtggc	ccgagggccc	agagcagacg	ctgcgctgcg

FIGURE 1-M

45061	aggcccgcg	gaaccagaa	ccctcagtc	actgtgcgcg	ctccgacggc	ggggccgtgc
45121	tggctctggg	cctgctgggt	ccagtcactc	ggcgctcttc	aggcacttac	cgctgcaagg
45181	cggccaatga	tcaaggcgag	gcggtcaagg	acgtaacgct	aacgggtggag	tgtgagtggtg
45241	ggtgcgcagg	gtgcaYttct	atctggttca	aggctctggag	ggtggccagc	ctccaggga
45301	gagtaggagt	agggtatgag	gtgtcccttt	gggtgaggtt	ttgggaaagg	gaagaggctg
45361	gttagtggtg	ttggagaaag	atcttgagg	atggaaggga	ccgggtgggc	gtgcccctag
45421	cctagggcgt	ggtatttggt	cggagtcgtg	gaaaggcggt	cagtccagag	tgtttaagtt
45481	tttagacgaa	aaaggcgcca	ctggtggctc	aggaagctcc	cagacagagt	gcatgSctcg
45541	actagcgtga	cacctccttg	gatcggcgtc	caagggttat	gcagggacaa	cacttcgtgg
45601	aagccttgcc	gcgccaagga	gggtctaggg	acgtcagatt	tgcccccaaa	ccccaaagcc
45661	aacaatacac	tccctcctcc	agacgcacca	gcgtgggaca	gcgtgggctg	cccagaacgc
45721	cctgatgtga	tggagggaa	agaagcctcg	ctgagctgtg	tgccgcacgg	ggtagccggt
45781	cctgatgtga	tctgctgctg	ctctggagaa	ctcggtggcg	tcatcgaggg	ggtgttgcgt
45841	gtggcccggt	agcatgcggg	cacttaccgc	tgcaagcca	ccaacctctg	gggtctgctg
45901	gccccaaatg	tggccgtcac	gggtggaatg	gagtaggggc	accgcggagt	taggcaggat
45961	ctgtgggaca	accccggtg	gacttcctgg	ccccgtgtg	agccctgca	atctgtttc
46021	ccagatggcc	ccaggtttga	ggagccgagc	tgccccagca	attggacatg	ggtggaagga
46081	tctgggcggc	tggtttcctg	tgaggtcgat	gggaagccac	agccaagcgt	gaagtgcgtg
46141	ggctccgggg	gcRccactga	gggggtgctg	ctgccgctgg	cacccccaga	ccctagtccc
46201	agagctccca	gaatccctag	atcctggcca	cccggtatct	acgtctgcaa	ggcaccgac
46261	cgccacggct	ccgtggccaa	aacagtcgtc	gtgagcgcg	agtgtgagcg	aggccaggc
46321	gggtagggag	caggggtgcc	ccacggtcca	ggcactccct	gacatcccc	atggctgctt
46381	tgacgcgcca	ccggagatgg	atgaattctac	ctgccccagt	caccagacgt	ggctggaagg
46441	ggctgaggct	tccgcgctgg	cctgcgcgcg	ccgggttcgc	ccttccccag	gagtgcgctg
46501	ctctcgggaa	ggcatcccat	ggcctgagca	gcagcgcgtg	tcccagagag	acgcgggcac
46561	ttaccactgt	gtggccacca	atgcgcatgg	cacggactcc	cggaccgtca	ctgtgggcgt
46621	ggaatgtgag	tgggggcagc	accggtgga	ggggacacgg	tcctcggaag	aatgactcgc
46681	agcgttgga	gcattcaagg	gcacctctcc	caatccatt	ctcggggaca	gggaattcca
46741	gcctaaacca	gggggtaatg	aaaattctag	ccaggcgag	tggctcaggt	ctgtaattccc
46801	aacacttttg	aaggttgagg	cggatgaatc	acttgaggcc	aggagtctga	gaccagcccc
46861	gccaacatgg	cgaaaaccgg	tctctacaaa	aattagccgg	tcgtggtggt	gggcgcctgt
46921	ggtcccagct	acttgggagg	ctgagcgagg	agaatcgctt	gagcctggga	ggcagaggtt
46981	gcaggggacc	gagatcccg	cactgcactc	cagcctgggc	aacagagtga	gactctttct
47041	tagaaaaaca	gaaaaagaaa	attataggga	ataggagcac	ggccctcctc	aaatcctgga
47101	ttagaacact	gacctgggct	tcacctcctt	ccattcggtg	aagaaggggc	aggaatttta
47161	gccgcaacag	cagcctgatt	gtcggggaag	gaggtctctg	taggaggcag	gatcctcttc
47221	tgccatcag	aggcgcggtg	gtctccatc	gatcgtttgt	ggccggagca	gggcatttga
47281	tcagtggctg	ggccggcgct	aagccccact	tcaccttctg	tgcccttcag	accggccagt
47341	ggtggccgaa	cttgctgcct	cgccccctgg	aggcgtgcgc	ccaggaggaa	acttcacgtt
47401	gacctgccgc	gcggaggcct	ggcctccagc	ccagatcagc	tgccgcgcgc	ccccgggggc
47461	cctcaacatc	ggcctgtcga	gcaacaacag	cacactgagc	gtggcagggc	ccatgggaa
47521	ccacggcggc	gagtacgagt	gcgcaScac	caacgcgcac	gggcgccacg	cgcggcgcat
47581	cacggtgcgc	gtggccggtg	agtggcagct	ggggagaggc	ggggcgagggt	atctgagagg
47641	ggcggtgacc	tgggtcttgg	ggcgccgggc	cccgccctgc	tcctctcgg	tcccgKaga
47701	ctagacggaa	gtgggacaga	gtagaagtca	aaggtgcctt	agcgggtggg	gctgttgatc
47761	gcactttgag	gggtgggaga	tggaggtggc	agggggactg	aattcaaggg	gagggaccct
47821	ccggggctgt	cactgctgca	ggaaaggact	ttaaaacttg	ggctggattc	tgcgtggtgg
47881	aaacttgacc	caattcaca	tccactgtgg	ggaagattgg	ggagggacca	aagtcatthg
47941	atgWtggagg	gagagagggg	tcaagatcgc	cttctctcac	ttcctgaagc	tcctggggct
48001	gggttctctc	tggggtcggg	ggaacctgac	ctggtcctgc	cggctcctcat	tttttggggg
48061	atggggagag	ttgacttgct	gccagggggc	taagtgtggt	cacgggttta	tatccccatg
48121	ggctgaagtg	cgatataaat	cgggactcgg	gtcgccttgg	cactgggagt	ggccttattg
48181	catgggttgt	ctcccttctc	ccaaggccag	acagtgagct	ccccggggca	tgaggactga
48241	cttcgtgcct	gtgggagtgc	ggggggcggt	gggagaagcc	ccccggagct	tgccaccctt
48301	ccgcgagggt	ctccaccctg	caggtccgtg	gctatgggtc	gccgtggggt	gcgcggcggt
48361	gggcgcggcg	ctgctggccg	cggggggcgg	cctggccttc	tacgtgcagt	ccaccgctcg
48421	caagaagggc	gagtaacaag	tgcaaggagg	cgagagctca	ggcgaggccg	tgtgtctgaa
48481	cggagcgggc	ggcggcgctg	gcggggcggc	aggcgcgag	ggcgacccS	aggcggcggg
48541	gggcgcggcc	gagtgcggcg	cggaggcgga	ggtcttcgcc	atacagtga	catcggcgtg
48601	agcccgctcc	cctctccccg	cgggcggggg	gacgcccccc	agactcacac	gggggcttat
48661	ttattgtctt	atttatttac	ttattcattt	atttatgtat	tcaactccaa	gggcgtcacc
48721	cccattttct	acccatcccc	tcaataaagt	ttttataaag	gaactccctg	tctccgcttc
48781	tgtttctgca	aggtggaaca	agcccagggt	tccagtcgtg	acctcccag	ttattcattc

FIGURE 1-N

48841	aaaaagcgat	ttttgagagg	gcctgggggtg	gtggccttagg	cctgtaatcc	caggacttgt
48901	gggaggccca	ggtgggagga	tcccttgac	ccaagagttt	cagaccagcc	tgggcaacat
48961	agggagaccc	tacaaaaaat	atttttcaaa	aattagccaa	ggccggtcgc	ggtggctcat
49021	gcgtgtaatc	ccaggacttt	ggaaggccga	ggcggccaga	tcacgaggtc	gaggtcatga
49081	gatcgagacc	atcctggcca	atatggtgaa	accctgtctc	tactaaaaat	acaaaaatta
49141	gctgggcatg	gtggtgcgcg	cctgtagtcc	cagctattcg	ggaggctgag	gcaggagaat
49201	cgctttaacc	ccggaggcag	aggttgcagt	gagccgagat	cgtgccactg	aactccagcc
49261	tggcgacaga	gcgagattcc	gtcttaaaaa	aaaaaccagg	cgtggtggct	cacgctgta
49321	atcccagcac	tttgggaggc	cgaggcgggc	ggatcacgag	gtcgggagat	cgagaccatc
49381	ctcgctaaca	cggtgaaacc	ccgtctctac	taaaaataca	aaaaaaaaaa	aaaaaaaaaa
49441	attagccgag	cgtggtggcg	ggcgcctgta	gtcccagcta	ctcaggaggc	tgaggcagga
49501	gaatggcatg	aaccggggga	gcagagcttg	cagtgaagccg	agatcgcgcc	actgactcc
49561	accctggcag	acagcaagac	tccgtctcaa	aaaaaaaaaa	aaaaattagc	cagggccgag
49621	cacagtactc	tcgcttgaat	cccagaactt	tgggaaacta	aggcgggggg	ggggggtcac
49681	ttgaggtcag	gagttcgaga	ccaccctggc	caacgtgggtg	aaacaccttc	tctacaaaaa
49741	atacaaaaaa	attaaggccg	ggtgaagtgg	ctcacgtctg	taatcccagc	actttgcgag
49801	gctgaggcgg	gcggatcatg	gggttagaag	atcaagactg	tcctggctaa	catggtgaaa
49861	ccccgtcact	actaaaaaca	caaaaattag	ccgggcgtgg	tggcacatgc	ctgtagtccc
49921	agctactcaa	gaggctgagg	caggagaatc	gctttaaccc	cggaggcaga	ggttgcagtg
49981	agccaagatc	gcaccactgc	actccagcct	gggcaataga	gcgagactct	gtctcaaaa
50041	aaaaccaaaa	acaaaaacaa	aaaaattagc	aaatttagct	gggctgtagt	ggcacagcc
50101	ctgtaatccc	agctactcgt	gaggctgagg	caggagaatt	gctagaaccc	gggaggtaga
50161	gatcttgcca	ttgcaactcca	gcctgggcaa	cagaactaga	ctctgtctca	aaaaaaaaaa
50221	aaaaaaaaaa	aaagtgtttt	ttgagggggc	tgggcatggt	ggctcaagcc	tgtaatccca
50281	ggacttttgg	gaggccacag	tgggaggaatc	ccttgtgccc	acgagtttca	gaccagcctg
50341	ggcaacatag	cgagacccta	caaaaaaaca	tgtttcaaaa	aaaaattttt	ttttttgaga
50401	tggagtctcg	ctctgtcgcc	caggctggac	agcagtggca	ctatctctgc	tacttgcaag
50461	ctccgtctcc	cgggttcatg	ccattctcct	gcctcagcct	cccaagtagc	tggtgattaca
50521	ggcgccctgcc	accacaccca	gcctaattttt	ttttgtattt	ttagtagaga	tgggatttca
50581	ccgtgttcgc	caggatggtc	tctattcctg	acctcgagat	ccaccgcctc	cagcctccca
50641	aagtgtcggg	attacaggcg	tgagccaccg	cgcccgccct	caaaaaaaa	atttttttt
50701	tgagatggag	tcttgctctg	tcaccagggc	tggagtgtctg	tgggtgtgatc	tgggtcact
50761	gcaacctctg	cctcctgggt	tcaagcaatt	cccctgcctt	ggcttcccaa	atagctggga
50821	ctataggcat	gcaccaccac	accagctaa	ttttgtatt	tttagtagag	acagggttcc
50881	accatgttgg	ccaggctggt	ctcgaactcc	tgacctaaag	tgatccacct	gcctcggtct
50941	cccaaagtgc	tgggattaca	gctgtaagcc	accatgcctg	gtgtattttt	caaaaattag
51001	ccagcatggg	tggtgcatgc	ctgtagtccc	agctacttgg	gaggctgagg	caggaggatc
51061	ctttgagcct	aggaggtcaa	agccacttcc	agctatgata	tYgtcattgt	gctccagccc
51121	aggtgacaga	accagaccct	gtctctaaaa	acaaacaacg	aaaaaatcca	aaaacttttt
51181	ttgaacacct	actatgcate	aggcacaatc	taagctgtct	ttttcttttt	cttttttttt
51241	tttttttgag	acggagtctc	tctgtgcgcc	aggctggagt	gcagtgggtg	aatctcagct
51301	cactgcaagc	tctgcctccc	acgttcaagc	gattttcctg	cctcagcctc	ctgagtacct
51361	gggattacag	gcgcgcgcga	ccactacgcc	cggctaattt	ttgtattttt	agtagagaca
51421	gggtttcacc	atgttggtca	ggctagtctg	gaactactga	cctcgtgatt	cactgcctc
51481	ggtctcccaa	cgtgctggaa	ttacaagcct	gagccactgt	gcctggcccg	gctggctgtc
51541	ttttctcagt	gtgacctaga	gctcgtcctc	tctcagtgcc	tgttttctgc	tctcttcaca
51601	cccttgggca	ggggtggggg	cctcactcct	tcctcctact	tatctcttcc	accagcact
51661	gccctctgat	ccgggtcact	cttggagggtg	ggggctaggt	gcttccccca	ggcctgggtta
51721	ccggcagagc	tgaggccgcc	ttgccagggt	gggtggaggc	cctctccgtt	gtgccctgc
51781	cctgagactt	cggtgagacc	ttcctgggca	ggcactggct	gatgctatgg	gtgtcagccc
51841	ttagcatgtc	ctccctgtta	aagggggcac	ccctgccccg	ccctcaatgc	ctcctttgtc
51901	ctgtgtccac	ccacagtgtc	tcagtttacc	cccaccctgc	ctttccactc	agccccatcat
51961	gattcagaac	agacacacac	agggtatccg	ctgcaacccc	cactacacgg	caccttcccc
52021	cctcatcccc	aacagcataa	ggcacagcag	ctgggcctcc	tccccacagc	ctcctcctct
52081	gccccctcctc	cctcaaaagc	aggaacacgg	agccctagag	aaggaagcca	gtcccatgca
52141	aacatgtaat	gagcaaagat	gagacgggga	aatggcacaa	gagggcaggg	cagtgtctcg
52201	tgctggagcc	aggggcccag	tataacaccc	aaaaaggcac	cagccaggtg	cagtcctcgc
52261	cactaacagc	acctcacctt	ttctgcctgt	gccctcccta	cttaatgatc	tctctccgct
52321	cctactgacc	tcaaggtctc	tttcagagcc	ttcagatgag	atattttatt	tagtaggttg
52381	gtgcaaaagt	aattgctggt	tttgccattg	aaagtaatgg	caggcagggc	atggtggctc
52441	acgcctgttaa	tcccagcact	ttgggagccc	gaggtgggca	gatcacgagg	tcaggagttc
52501	aagaccagcc	tggctaacat	ggtgaaaccc	tgtctctact	aacaatacaa	aaaaaattag
52561	ccggacatgg	tggcacaccc	ctgtagtctc	agctacttgg	gaggctgaag	caggagaact

FIGURE 1-O

52621	gcttgaaccc	tgaagcggag	gctgcagtga	gctgaaatca	cgccactgca	ctccagcctg
52681	ggccacagag	tgagactgtc	tcagaggaaa	aaaaaaaaaa	aaaagtaatg	gcaaaaactg
52741	caattacttt	ttctttttct	ttctgttttt	ttttttgttt	gtttgtttgt	ttgtttgttt
52801	gtttgagacg	gagtctcact	gtgtggccca	ggctggagtg	cagtggcgca	atcttggctt
52861	actgcagcct	ccgcctccca	ggttcaagtg	attctctcct	gcctcagcct	cccaatagga
52921	ttacaggcac	ccaccactat	gcctggctaa	tttttgtatc	tttagcagag	atggggtttc
52981	accatgtttg	ccaggctggt	ctcgaactcc	tgatccaccc	acctcagcct	cccaaagtgc
53041	tgggattaca	ggcaggcatg	agccatggtg	cccagacatt	tttttttttt	ttcttttttt
53101	ttttgagaca	gagtctcact	ttgtcaccca	ggctggagtg	caaaggcaag	atctcactgc
53161	agcctctgcc	tcctgggtta	aagcgattct	cccaccttag	ccccctgagt	aggtgagatt
53221	acaggcacat	gccaccacac	ctgcctaatt	tttgtatttt	taatagagag	ggggtttcac
53281	cattttgtcc	acgctgggtc	cgaactcctg	acctcaaggg	attcgccacc	ctcagcctcc
53341	caaagtgtct	ggattacagg	catgagccac	cacgcccga	ctccttaact	ctcttatttc
53401	cttgacacac	ttttctctgt	agcccagctc	acaacttaac	atcctcttag	acatacacct
53461	gaggtttttt	tttttttttt	ttttgagagg	gagtctctct	ctgtcaccca	ggatgggaatg
53521	cagtgggtgtg	ctctcagctc	actgcaacct	tgcaaccact	gcctcccagg	ttcaagcaat
53581	tctcctgcct	cagcctcccg	agtagctggg	actacagaca	catgccgcga	cactgtgctg
53641	attttttgtt	tttttagtaga	gacagggttt	caccgtgttg	cccaggctgg	tctcaaactc
53701	ctgagttcag	gcagtcggcc	tgccctagcc	ttccaaaatg	ctgggattac	aggcatgagg
53761	caccgcgtcc	tgccctctgag	tttttttttt	tttttttttt	ttactgtctc	ctagaacatc
53821	agccccagta	gagcagggat	ctttgtctctg	ttcacccactg	agggtctcca	ttgggtccta
53881	gcacacacag	ttgctcaata	aatgttgaat	aagtgggtaa	agacagccac	gagcttgcag
53941	atatgtgttc	aagggtgtgtc	cttgacagaga	gcttctctat	acttggcact	ggagaggcct
54001	gtcgtgggca	aggacataga	tgtggcgacc	tcagacttga	gaactcctgg	ggcagtaggg
54061	gagatggatg	tggataatgt	aaccataaag	cttctcttct	attttagact	gagtggtcaa
54121	ggaaggcttc	cagacaatgg	aaattctgat	aggttctaag	agggagacca	gcaaggagct
54181	gaaccggagg	ctgacacagg	gtgagagtgg	gaatgtctat	tttatttttt	ttttggagac
54241	agggctctcac	tctgttgctc	aggcagcagt	gcagtggcac	gacgtgggtc	cactgcagct
54301	tcaacttccc	agactcaagt	gatcctccca	cctcagcctc	ccaagcagct	gggaatatag
54361	gtgcatgcca	ccacatccgg	ctaatttttg	tatttttggt	agaaacgggg	tttcaccatg
54421	ttgccagggc	tgtctttgaa	ctcctgggtt	caagtgatct	tgctgccttg	ggctcccaaa
54481	gtgcttggat	tacagggtgtg	agcctgtgag	ccacatctgg	cctattttat	tttttaatta
54541	gttttttgtt	tttgtttttg	ttttgtagtg	gagtctctgt	ctccaaggct	ggagtgcagt
54601	ggcacgatct	cggtctcactg	taacctccac	ctcccaagta	gctgggatta	caggcacatg
54661	ccaccacgcc	tggctaattt	ttgtatcttt	agtagagaca	gggtttcccc	atgttggcca
54721	ggctgggtctc	gaactcctga	cctccggtga	tcacactgcc	tcagtttccc	aaagtgtctg
54781	gattatagga	atgagccact	ctgcctggct	ggcagtgtgt	cttggttttt	tcatctctga
54841	gataacaagc	aattgtctctc	cctcagcctc	ccaagtagct	ggtactacag	gcgcctgccca
54901	ctacgcccgg	ctattttttg	tagtttttagc	agaggtgggg	tttcaccatg	ttaaccagtc
54961	tctaactcct	gacctcaggt	gacccctctg	ccttggcctc	ccaaagtgtc	ggaattacag
55021	gtgtgagcca	ccaagcccag	cctcaaacctc	ctgagtttaa	gtgatcccca	cacctcagcc
55081	tccctgagtg	ctgggattac	aggtgtgagc	caccacaccc	ggcctgagtc	gggggaggtg
55141	tctatttttag	tctgagtggt	caaggaaaggc	ttctctgaag	agctgatgtt	ggggccaggc
55201	ctcctcaagc	gattagaagg	tgtcagccat	ggggagatgt	ggagggaggg	tgtttcaggc
55261	caagggaagg	taagatcaaa	taattcaggg	atctgagggc	agaggaatct	ggactccagt
55321	tctcccattc	agggtgccc	aggagagaca	aagaggatct	cataagggtg	tgtggctttg
55381	tggctcactc	acgcccacag	caaggaccat	gcccacccta	cttttttttt	tttccccaag
55441	tctccctcta	ttacccaggc	tggagtacag	tggtagcatc	acggttctact	gcagcttga
55501	cctccagggc	tcaagtgatc	ctcccacctc	agtgtcctga	gtagctggca	ctacaggcat
55561	gcaccaccac	ccctgggtca	tttttttgatt	ttttggtaga	gacggggtct	cactgtgtta
55621	cccaggctgg	tctcaaacctc	ctgggctcaa	gcgactcctc	cacctctgcc	ttctgaagtg
55681	ttgggattac	aggtgtgagc	caccatgccc	agcccgccac	cagtcttgac	tctccatcct
55741	ccctccctcc	ctgtgagtcg	tgggtgcctg	tgtgtcccgc	ctgctgaaag	atgcctctga
55801	cttggggctt	ttgacttcag	gcccgggaga	cacatttttg	ctggattagg	gagatcttaa
55861	aagggggtag	gggacacagc	aggggctaag	gagagtga	cactgcaggc	aggggttggg
55921	tgacagatga	aggatccact	ggtatatgct	gccagtgtgt	gccatctact	tgtgtgtttt
55981	acgtgtgtct	ggtgcagtgt	tctgtgtgg	gctgtatctg	tgtgtgactc	agctacgtgt
56041	cagcatatcc	ctgtcgacgt	gtgtctctgc	tgatgtgtct	gtcagcacgc	acggctgtct
56101	tgcatgtgtc	ttttttgaga	tagagtctcg	ctctgtcacc	caggctggag	tgcatgggca
56161	cgatcttggc	tcattgcaac	ctcaacctcc	caggttcaag	cgattctcct	gcctgagcct
56221	cccaagtagc	tcggattaca	ggcacagtct	accacgcctg	gctaattttt	gcataatttag
56281	tagagacggg	gtttcatcat	gttggccagg	ctggtctcga	tctcctgacc	tcaggtgatc
56341	cacctgcac	agcctcccaa	agtgtctggga	ttacagaaat	gagccactgt	gcctggctag

FIGURE 1-P

56401	acatgtgtct	ttttttttcc	cttctgtata	taacagggtc	tcactatggt	gcccaggctg
56461	gtctcaaaact	cgtggcctca	agcaatcctc	ctgcctcagc	ctcccaaagt	gttgggatta
56521	caggcgtgag	ccactgcacc	cggcttgtgt	gtgtctttct	gtatctgttg	tgtgtgtctg
56581	tgggtagtgg	ctgtttccct	gcatgggaca	ttgtggtaaa	tgtggctaata	tcctgtgtg
56641	ggggctgctg	cctgtggata	agactgtgtc	tctgtgcatg	cgcacgtggt	tgacgcccc
56701	tcacaacccc	aacgagaaaa	cacctgtcca	ccttctctggg	ctggcacagg	ggcacaggag
56761	gcgggatccc	aaatcacagg	ctttttctct	cggcatatct	ctgtacttta	ttgtccctgc
56821	tgtacaatg	ctcatccttc	ctgagagcgt	ctcctgaggg	ggcctcggcc	aaggctgact
56881	ggagaagggg	ctggtgacct	ctagacggct	ctgccacctg	aggcctgggt	cttcccccg
56941	gatccttgaa	tctggagatg	gcagagagga	ggcaggccgg	ctctttcccc	aatcctccta
57001	ggagagctgc	ttctgccccat	tctccactg	gtgaaacgga	ggcagaagca	gcagctcagc
57061	agggtgaagc	tgggtttaac	cttctgtgaa	gggtgccagg	gacactccac	atctgccaca
57121	tagctctttg	ggctggacat	ttttctggg	caccagccag	cagctggagc	agcagtgcc
57181	gtattttctg	tacctagggt	tgggggacaa	gaaactgcca	tttaggatgc	agtgggggccc
57241	cggaaaccgc	cacaaggaaa	ccacttttcc	caagaggtag	gtgttttgct	ttttgctttc
57301	cccacaggcc	atcctggtta	cacgtggact	gatttgggga	cccccgcccc	aactccctcc
57361	tccattctaa	ggacctgatc	ccacagcgct	tgacagagag	ggctccatct	tcagcgtctc
57421	tccagagcgg	ggctctctgg	gtccgacagg	aagcacagcg	ccggggctct	gaagggtcag
57481	aggtcaaagg	gcaggggtca	gaggccaagc	atgtgagctc	gggatgcctg	tcgaggtcgc
57541	ggcattttgt	gggggtctca	gtaaaggccc	cacctagctc	tggatcagcc	ctgggagttg
57601	ccagctctaa	gccacagcaa	agccagggag	ggagacagat	ggcagcattc	gcagagtgag
57661	gaagctgggg	gtgggggtga	ctcagcccaa	gtggaggggg	gtgctgcgac	tcctccctga
57721	gggctctaaa	tggggaagca	agatggagaa	ggggggggca	gggagaaagg	cagggaagac
57781	aggaaattgg	ccccaaaaat	atttatagct	cttgggtttt	caggactcac	ccagggcctc
57841	gctgctgct	gagtgggcct	cggtgcctcc	tgggtgggct	gcagggcccc	caacagcatc
57901	tgcaggggat	tcctgagaac	ggctactgca	gggcaggctg	tggggcagac	aagggtattag
57961	cactgggggg	gatctgtagc	ttgtcccaa	cagccctccg	aaatgaagat	ttagtatcaa
58021	ggtatcagcc	atcccccgag	gaggcaacta	atatctgaat	ggcctggctt	tgctctctat
58081	tagtaataatt	attattatta	ttattattat	ttttgcagat	ggagtctcgc	cttgttgccc
58141	aggctggagt	gtagtgggtg	catctcagct	cactacaacc	tccacctccc	gggttcaagc
58201	aattcttgag	cctcagcctc	ccaagcagct	gggactacag	gcgcgcgaca	ccacgcccag
58261	ctaatttttg	tatttttagt	acagacgggg	tttcaccatg	tggccaggc	tggctcgaag
58321	ctcctgacct	caagtgatcc	acccacctcg	gcctcccaaa	gtgcagggat	tacaggcatg
58381	agctaccgtg	cccgcacctaa	ttattattat	tattatttga	aaaatagtaa	gcacagggac
58441	agcctgccag	gttccaatcc	cagttctcca	tgtccttgct	gtgtgagcct	ggacacatta
58501	tctcctactc	tgtgcctcag	tttctctatc	tgtaaaatgg	gcttcccaat	acaacagttt
58561	ttttttcttt	gaaaatttga	tttattgatt	tttaaaaaga	gatgggagtc	tgggcaatat
58621	agggagacc	cgtctctaca	aaacaaaaaa	atagccagga	gtggtgttac	aggcctgcac
58681	tcccagctag	ttgggaggct	gaggaggagg	gatggcttgg	gcctgggagg	tccaggctgc
58741	agtgaagcat	gattgcgcca	ctgcactcca	ccctgggtga	cagagcaaga	ccctgtctca
58801	aaaacaaaaca	aacaaaacaaa	agcaaaaaaa	agcagccagg	catggtggcg	gctcactcct
58861	gtaatcccaa	cactttggga	gggcaaggca	gatggatcac	ctgaggtcaa	gagatcgaga
58921	ccatcccgcc	caacatggca	aaacccccatc	tctactaaaa	atacaaaaat	tagccaggcg
58981	tggtagcagg	cacctgtaat	cccagctact	ccagaggctg	aggcaggaga	atcgtttgaa
59041	tccgggaggc	agagggttgc	gtgagccgag	attgtgtcat	tgactccag	cctgaacgac
59101	agagtgcac	tccatctcaa	aaaaaaaaaa	aaatattgtt	tggcgggcat	gattaaaaaa
59161	gtcataatta	taatttttat	aataacaata	aataggtaaa	aattagagct	gggggtcata
59221	ctatgttgcc	caggctggtc	ttgaactcct	gggctcatgc	aatcctccca	ccttggcctc
59281	ccaaagtgt	gggattacag	gtgtgagcca	ccaggcccag	cttcccaaag	cttttttttt
59341	ttttttttta	aggggatgga	gtcttgctct	gtcaccaggg	ctggagtgca	gtggtgccat
59401	ctctgctcag	tgcaacctcc	acctcctggg	ttcaagcgat	tctcctgcct	cagcctccca
59461	agtagctggg	attacagggtg	cccattacca	ttcccagcta	gttttttttt	tttttttgag
59521	actgagtcce	actctgtggc	tcaggctgga	gtgaggtggc	gctatctctg	cttactgaag
59581	acttcacctc	ctgagttcaa	gcgattctcc	tgctcagcc	tctgagcag	ctgggattac
59641	aggcaccac	tacaacgccc	agctaatttt	ttgtattttt	agtagacatg	gggtttcact
59701	atgttgccca	ggctgatctc	aaactcctga	cttcagggtga	tctgctcgcc	ttggcctccc
59761	aaagtgatgg	gattataggc	gtgagccact	gtgcccgcc	tcccagggt	ttgaaatgag
59821	cccatacaca	taaaatactg	cctgttaacc	tcttattgtt	gtcactacca	acaaatagta
59881	gctgttagca	ttattgggaa	aaatcaccgc	agccgcagct	gcagccctaa	caaggccagg
59941	cctgattcct	aaagagacca	ggtctcacat	tgggagtggg	gagccactga	gtcaggagcg
60001	gcaggactgt	atctggcacc	agctcaagtt	gtcaaccaga	gactgggcca	cgtgtaacgt
60061	agagcacagg	tgaggggtcca	caccgacgcc	agRgagcacc	cctacctccc	acactggtgt
60121	ttgcgttgta	actgggagaa	agggcggcct	ggccccagcc	ggccccctacc	tgtacgtggg

FIGURE 1-Q

60181	gatgatctgc	aggettgag	ccggctttat	ctgaaacttc	agagtcaccc	cctcgaaccc
60241	aggggtccact	ctctcgggtc	cccggcaggg	gttcagctgt	ttccggggcc	ttctctgggg
60301	tggggcccgag	ggagtcctcc	gggggtgcag	acggcgcccc	ttttggctga	ttctgggtctg
60361	tgtgtccttg	gaatccctgt	ccagcagcag	gcggccctga	gtccccagag	ccatcggggtc
60421	ccagcaaggc	cccaggacYg	gggtgtcctg	ggcaggggac	tgaccagacc	tctccactgt
60481	ctcttgagg	aagcacagg	cggtgaccga	ctcctggcat	gcaggccaga	gggacctggg
60541	gagaagggca	gtgggggtcac	gttttcttg	gtgactcctg	ggtttagccg	gccaggggggt
60601	tccaacttg	gccggctctt	tgtgtaccct	tgacaggct	acacacccca	cctgaggttc
60661	agtcatctt	aactctgggt	ggaaggttta	agagttgcag	taattgcaac	tcacctcgcc
60721	cactgtgggc	ctcccaggca	cgcccagccc	tccacatcaa	tcaaccctt	acggcacccc
60781	tagatcaccc	aggcagggac	cgccctaggt	gaccgaggca	ggatatcaag	cctctggctg
60841	caggatcgag	aaaaagggtta	ctttttttct	ttgtgtttct	tttagagacc	gagcctcact
60901	ctgtaccccc	gcctggagtg	caggggctgt	atcaggactc	agtgcagcct	agaactcctg
60961	ggctcgaccg	atccttccgc	ctcagcctcc	cgagtagctg	ggacttacag	gcacgcgcca
61021	ccacgcccgt	ggcttgccat	aatatgatta	cgatttttat	cattttcatt	attattgagt
61081	tgccctccat	aaccctgga	tgatcctgg	ggagtgccta	catcagcccc	agagacatgg
61141	aattgcatgg	cctctgatcc	ctagatgacc	ccaagtgtct	ctgggcaacca	gaacctcttt
61201	gtaagtttca	gtaactatta	taaaattgcc	acttctcgat	aacccccagca	aagagaggtc
61261	atgacccctt	gatcactgag	ccaggtgggt	aagtgttagc	gggggtccggg	gaatgggggtt
61321	tggccttacg	cacctctcac	tgattctgca	gcactcctgg	gtcctcggtg	tctctgggga
61381	gggggatcct	cccagccgct	ccaggttcag	acagggcgcc	gccagaagct	ttgctggcat
61441	tgaggagtcc	gggattggct	cgccctccat	tgcccccag	cccagccccc	tccctaattt
61501	cacccggccc	tgtcccgtg	ggcccacccg	atgaaaccca	cctgggaggg	gcgggacctg
61561	tgtggtggga	gcgtctctgg	tagaggtatg	gatgagcccc	agctgagagc	gaccagcctc
61621	ggcggcacct	ttcctctttc	tggctttttt	caggtcatcc	gcgcacccct	gcgtggcaag
61681	ggcggcctgg	accccaccaa	atccctccgc	agctgccggg	gcggggcctt	ccacgctagc
61741	cctccccctc	ggaaatgggg	gtccccaggc	ctctgccttg	gatccccagc	ggcatcttag
61801	atcccagagg	gaaaagagaa	ccggggggccc	agcacagcag	atgcaggtgt	ggtttgtttt
61861	tgtttttgtt	tttttttttt	ttgagacagg	gcctcactct	gtcacccagg	ctggagtggga
61921	atggcctgat	caccgctcca	ctgcagccta	aatccctctg	gctcaagtga	tcctcccacc
61981	tcagtcctcc	gagtagctgg	gactacaggc	acttaccacc	actccacgct	aatttttact
62041	gtttttatag	agacgaggtc	tcgccatggt	gccaggatg	gtcttaagct	ctggccctca
62101	agtgtacctc	ccatcttgcc	ttcccaaagt	gctaggatta	caggtgtgag	ccacctgtag
62161	accccagatc	tgtcccccaa	ggacactcaa	catgctgggg	cctgtgttat	cgatttattg
62221	cagctccaat	atgagtccac	tcctactcaa	accctgattc	tcaggggccc	ggggaaggcc
62281	accccactag	gggcccgtgc	cccaccagag	cctggacatg	ggactctctc	ccaagcaggg
62341	gtgtttgctc	tcacaggggc	ttccacgtct	ctcccgggcc	tgtccgcact	ctgggcaggg
62401	ctggcacctg	gctattccct	caatctgggc	cctggggcca	tggcaatgtg	gaatgggtcca
62461	ggtgttcatt	tcagtggggc	ttggggacat	ggccatccac	gtagaagttc	ctggtgatct
62521	tgggcagggt	gaattccgct	cttccaagct	ccggtgtcag	cacaatctgg	cagccagcc
62581	gcgagttctc	ctggaggagg	ggggccatgt	ctagcatgtc	gtcttcctta	gggtgggtgac
62641	acgggcagtg	ttagccgagg	gcaagctagc	tgggtgggtg	gggggcccaga	ggtSggggag
62701	ggaggaagct	gactgagcgc	agggggtagt	ggtgggggag	gcagctccca	ttccaggaac
62761	tggaaagtgg	gaggatgggt	ggggctgctg	aatgctccag	ggtgaagctg	ccagctagac
62821	agggctgacc	cactcacctc	tcctcgggag	gaggcaggag	atccaggtgg	tcttcaactca
62881	catacacatg	gcaggtggag	caggccaggg	aggcttcaca	ggcccctagg	ggtgggaagt
62941	gaagggggcg	caggtgagtg	gcagagtcag	gaaggggctg	ctatgcgaat	ggcgtagagg
63001	agtagacctc	tcttcaccca	cgtgcctcac	gtctccctcc	tgggcctgca	gctccactgt
63061	gtgtaccagg	cactgtgtca	tgtcctcaat	gtcctcagct	agctgttccc	cagtgtgtag
63121	ggtttacaaa	cggacatctg	ggaggcccca	tttcccaggg	actccctagc	aggctgagat
63181	gcagaaccat	taaggagcag	ggacttggtc	gccaggtagc	tgagagggga	aaggccaggc
63241	aggctccccg	cagtctgtga	gcccttgctg	tgacctatc	actgtgctgg	gctaagtgtg
63301	ccccacctct	ccactgctct	tggaggatgg	accggctgac	tcagcagtca	gtgtgggtggg
63361	ggaaggaatc	aggcattagg	attttgtttt	tttttttttt	gagatggagt	cttgttctgt
63421	tgcccagggt	ggagtgagtg	ggcacagtct	cggtcactg	caagctctgc	ctccccgggtt
63481	cacgcacatc	tctcgctca	gcctcccaag	tagctgggac	tacaggtgcc	tgccaccacg
63541	cctggctaata	ttttttatat	tttttttagta	gagctggggg	ttcaccatgt	tagccaggat
63601	ggtcttgatc	tcttgacctc	atgatctgcc	cgctcagct	tcccaaaagt	ctgggattac
63661	aggcgtaagc	cactgcaccc	ggccaggatt	tttttttttt	ttttttgaga	cagggctca
63721	ctctgttgcc	cagcctggag	tgccatggct	cagtcatagc	ttactgcctc	aacctcccgg
63781	ctcaagcgat	cctcccaccc	cagcctcccg	agtagctggg	actacatgtg	cgcaccacca
63841	cacctggcta	attttttttt	tttttttttt	ttgaggtgga	gtttcgctct	ctttgcccgag
63901	gctggagtg	aatggtatga	tctcggctca	atgcaacctc	tgccctccag	gttcaagtga

FIGURE 1-R

63961	ttctcctgcc	tcagcctccc	aagtagctgg	gattacaggt	gccaccatc	acgccagct
64021	aattttgtat	ttttagtaga	gatggggttt	tgccatgctg	gccaggctgg	tcttgaactc
64081	ctgacctcag	gtgatccacc	tatctcggcc	tccctaagtg	ctgggattac	aggtgtgagc
64141	caccgcacct	ggccatattt	tttttttttt	tttttttttt	tgtagagacg	aggttcacca
64201	tgtggcccg	gctgggtctca	aactcctaag	ctcaagcaat	ctgcctgcct	tggcttccca
64261	aatgctggg	actacaggca	tatgccactg	caccagacca	ggaattaggg	ttgaaagaga
64321	cagaacctga	agttttctgc	tgaccacctg	cccttgggtca	cacccccaca	tcctctgatc
64381	acagagaccg	gtgcttgggg	atcatgtccc	tcctggccta	aaactttcca	aagggttttc
64441	acactcagaa	taaaaaccaa	actccttcac	ttagtcttgc	agttccccc	tcctccctcat
64501	tcattccttt	gttttccttt	gtaatttttt	tcttagagat	ggagtcccg	tctgttgccc
64561	aggctggact	gcagtggcgt	gatctcggt	cactacaagc	tcgccttccc	ggattcacgc
64621	gctctcctg	cctccgcctc	ccagagcagc	tgggactaca	ggcgccctgc	accatgctg
64681	gctaattttg	tttttgtatt	tttagtagag	acagggtttc	accatgttag	ccaggatggt
64741	cttgatctcc	tgacctcgtg	atccgctcgc	ctcagcctcc	caaagtgcgt	ggattacagg
64801	cgtgagccac	cacaccttgc	caggccactt	acctctacta	gcccggcaca	gtggctcatg
64861	tctgtaatcc	cagcactttg	ggaggccaag	gcaggcagat	caactgtggt	caggagtttg
64921	agaccacctt	ggccaacatg	gcgaaaacccc	atctctatta	aaaatacaaa	aacttagccg
64981	ggcatggtgg	cagttgcctg	taatcccagc	tactcgggag	gctaaggcag	gagaatcact
65041	tgaaccctgg	aggtagaggt	tgtagtaagc	caagatcatg	ccattgcagt	ccagcctggg
65101	tgatagagcg	agactctgtc	tcagataaat	aaatgaacaa	ataaatctat	ctcacattcc
65161	aatccctgtc	ctagactatt	ggctgctgga	ttccagaaca	gaactttagg	taggcctttc
65221	ataacccctc	ccaacatata	ttccccttta	atgataaaat	caggatccct	gatataattca
65281	tcccaaaagc	aaaccctata	tattttcttc	cagacaaccc	ttcccaagtt	ggtcataatt
65341	atgtatttac	ctgtgggatt	attgtcccta	ttagaccgaa	atggatgtga	gatgacagag
65401	gccttatttg	ttttgtatat	tgctgcctga	cgcgagtag	gtattcatag	aaaggcagca
65461	cagattagtg	gctacaatgg	actggtgagt	ctagtattgt	cactcacttg	cccttagacc
65521	aggctacttt	aacctggggt	ttagttgcct	catctataat	aggaataaac	agtctctact
65581	actcaagttg	tcatgaagat	tcagtcagtg	aatattttatt	aacatggtta	aagacatata
65641	tatatatata	tatatatttt	tttttttttt	tttttttttt	tttttttttg	agacagtctc
65701	actctgtcgc	ccaggctgga	gtgcagtggc	gtgatcttgg	ctcactgcaa	gctccacctc
65761	ccgggttcat	gccattctcc	tgccctcagcc	tcccgagtag	ctgggactac	aggcgcccac
65821	caccacgccc	acctaatttt	ttgtattttt	attagagacg	gggtttccac	attttagcca
65881	ggatgggtctc	tatctcctga	cctcgtgac	cgccgcctc	ggcctcccaa	agtgtctggga
65941	ttacaggcgt	gagccaccgc	gcctggcctt	ttttttttgt	ttgtttgaga	cagagtcccg
66001	ctctgtcatg	cagcctggag	tgacgtgggt	ccatcttggc	tcactgcaac	ctctgcctcc
66061	caagtccaag	tgattcttgt	gcctcagcct	cccaagtagc	tgggattata	tggatgtgcc
66121	accacgcccc	gctaattttt	gtgtttcttg	tagagacagg	gtttcgccat	gttggcgaga
66181	ctagtctcaa	actcctgtcc	tcaagtga	cgctgcctc	ggcctcccaa	agtgttggga
66241	ttacaggcat	gagccactgY	gcctggacaa	gaaatttcta	ttattatttt	tctctcaaca
66301	aattatcaaa	catctgttac	atcttgacag	gcaacagata	agcatgaata	aggaatggg
66361	tcaccaatct	cactggggga	cagatgacaa	agtaggaaac	aaaacagcct	ggcattgtgg
66421	cttgtgccta	taatcccagc	tacttgggag	gctgaggtgg	gaggatcact	tgaacccagg
66481	agttcaaggc	tgacgtgagg	tatgattgca	tcatggcact	ccagcattgg	cgacacagca
66541	aggctccgtc	tcttgaaaaa	aaaaaagtga	gaagtgctat	atatcatatc	acactgataa
66601	gacagagtaa	ctagggcctg	ggtacttcag	ctgggctgag	gggaatggga	ttgttaggga
66661	catgacattt	acactgaggt	ctgaaggatg	agaaagagcc	agaatgtttg	ctgggaaagc
66721	acttcagaca	gagggaacag	caaattgtaa	ggccccgaag	caggaaatgag	cttggttggt
66781	tgaggaacca	caagaaagcc	agtgtgggct	ggcgcggtg	gctcatgcct	gtaatccag
66841	cattttggga	ggctgaggcg	ggtggatcac	ctttcaggag	tttgagacca	gcctggccaa
66901	tgtggtgaaa	ccccgtctct	actaaaaata	caaaaattag	ctgggcttgg	tgggtggcgc
66961	ctgtaatccc	agctagctctg	gaggctgggg	caggagaaac	gcttgaaccc	gggaggtgga
67021	ggttgcagtg	agctgaggtg	cagtaagcca	ttgcaactca	gcctgggcaa	caagagtga
67081	actccatctc	aaaacaacaa	caacaaaaag	aaagccaatg	tggctagaat	acagggagga
67141	agggggaaga	gaacacaaaa	tcttgggagc	caggagtcct	agtgatctct	aataaatgct
67201	taacaataaa	gagcttggca	acagatgagg	ccatggtgag	gggtttggat	tttagtccat
67261	atttgggtggg	aaaaagacgt	gaagagacac	acctRatttg	tggKtttttt	tttttttttt
67321	tttgacaaa	tgtataagga	cctccttaat	tccctctgcc	cggttctctac	cttccaggtc
67381	caccccgtgg	cgctgggcca	ggtgaagaac	attgtccccg	actctgccac	tactgggat
67441	ccgctggcct	gagcggtcta	cgaacaccac	gttcaccctg	gggacagatg	gaagtgcgaa
67501	tgccgaactg	gatgatgggc	tcagggcccg	ggtagaatct	agggttagga	agtaggaatt
67561	gaggcttgac	gcacaggtac	tgaatagggc	aaagcagaag	ggggacctcg	agatgaagct
67621	acagggcaag	atggggacca	gagggaattcc	gtgggatgag	gaatggggga	cttggccccc
67681	tgcactcaca	cgtccccggg	ccgctccggg	ccgcccgcgt	cctcctctcc	Mgccgggcgc

FIGURE 1-S

67741	gagcctggaa	aacacggttc	ggtgagcggc	tgcgcccagc	cccgccccgc	cggcatctga
67801	cggattaacg	ctgccccgcc	cgggcgcccc	aggtacctgt	cgcttgaaac	tttctggttg
67861	tccccagcgc	cacccccctc	cccgaccccg	aagtgccccc	aggtctgttc	cačcaggtgc
67921	ccctggcagc	ctgcagtaga	accctggcac	tcacgcctcc	cggggccatg	gaggcgccca
67981	tgacatgcat	cacgtgactc	accgactgag	catgcgccgc	gccagggagg	cgagggaaag
68041	cccataatca	atggaacata	agcgagatg	tttgcttagg	gcctgcggtg	accaggtggg
68101	aagagcaggg	cggaatccat	ctcaggtaaa	cccgcggggc	catcccagac	ctccccactca
68161	agcccactgt	ttgtcccaag	aaccagccaa	ctctgatttc	tttaaaacca	tttacttaca
68221	aactttaatt	cagcaaaggt	ccgtgtgggg	agactggggg	ggggtcgggg	gaatagtccc
68281	cttgagtggt	atgtggaccc	ccagagtcaa	gggagggaa	ctggtggccc	agttggctgg
68341	gggcaaggcc	cagggtcacc	tcaggtcgac	aggtcctgct	ggtgggcggg	cccagagttt
68401	atcttcattg	agtgtctggt	tctggcaagt	ggctggaagg	aggccagctc	caggagctcg
68461	gcccgggggtg	ggcaggcaga	attcaagaat	tcattctcaa	caagcgagtg	acagcagagg
68521	ctccggggaga	tgggcacaa	gtccgactcc	cacaKacaga	cagcagggga	ctggcagaga
68581	aagcccatct	ctgcacggag	gcccgggtag	gaggggggtg	tggggccggt	tcgccaagat
68641	gaaggctttc	cccttctact	gtccccagg	tggagatcct	gggtagggtg	gcccactccc
68701	taggcagag	ctgtttggtc	catagtcagg	ctcccagagc	ttggcatctg	tggtctctggc
68761	cagcagggcc	tggggcccag	cttttaaggc	atcagaaggg	gagggggctg	cggcagggac
68821	cccgggcccc	acggctgggg	tataggccag	atgggcaggc	aggggcagga	gacagccatg
68881	cctgcagcaa	atgtgggaaa	aacagctggt	tcaaaccgca	aggtgtggaa	tggtggcccg
68941	gacagggccg	gccttgaaag	aatcagagct	gggggctgtc	cgggggtggt	tgaaaaaataa
69001	aacttagaaa	aggaaacaga	agtcagttgt	caaagttaaa	aaaaaaggag	acagtctctg
69061	tatcttcacg	ggaggtcagg	gaaacctcca	aggcactcga	aaggccaaaa	ttacaggagc
69121	aatgaggcag	gagggctceg	gagagacggg	cacagcgag	gaggagatgg	ggggagggag
69181	ggagagcagg	cgggggcccc	tctctcttaa	ggctgcaggg	tttcagcgtg	gggagcaagc
69241	cagagacata	atgaggcctc	cagactcccc	cacacccctt	gggctcctgg	ggctccggct
69301	gattgggtcag	taaagtcttt	cagagatttt	tctattaccg	aaagagagaa	aatgggttaa
69361	aaaaaacaca	aaacaaaaca	tcagaaaacc	caaaagcgat	ttggtgcagg	cccttgagtt
69421	atctctgggt	ccagccactt	agaaaatcct	cttcgccttc	aggtaggagt	ccgcgtagt
69481	gccgcccagg	ccctgggagt	gctggcccac	atagctgcct	tctgggctgg	gctcgggcga
69541	gggcagcagg	tgggcaaaag	tgcgtttctg	gccgcccagt	ggggctctga	gacagagggc
69601	agggcggggg	gggtcagggg	ccgctggggg	gccgggggct	cccagccctg	catgtcccca
69661	ccccctgccc	gtaccttcag	caggtggctg	tgaccattag	gcccggggct	gagggcccagg
69721	agcccttctc	cggaccccag	cggggaagag	ccgattgcct	gggagaaatg	gagaggtgga
69781	acaggtcact	ccctgggggc	cagaggaagc	acccaccccg	ccccctgcc	actgcccccc
69841	agccctgagg	gaaagcgaac	agtttcagg	tcaaatcttg	cttctgctac	tttctagcta
69901	taagacctag	ggccaattgc	tccattttat	ttgagcctcg	gttttctcat	ctgtcagatg
69961	gggcccagtag	cacccacagc	ctgggctgta	gagagaggaa	gtgacagaaa	gcccgggaatg
70021	ctggcagtg	taggtgcttg	atgcagagtg	gatggaggac	aataggtctg	tgctactcca
70081	ccctgagcaa	gaccaacccc	tgccaccacc	ccagctttgg	cctgggcacc	gaggtttaca
70141	gagccccggg	ggcaggcacc	cccaaactct	agctgtccca	ggggggcctg	gcttggccag
70201	agaggttctc	caccttactg	aggtggctct	gcttgaggcc	agcctgcagg	ccgctggtga
70261	agtaggaagt	gggcgagcct	gaatagaagt	gagacagggg	gcccccgcca	ctcccaccgc
70321	tgctccgttc	gccgaagcca	ctgggcgggg	gggacatctg	tagaagaagg	gccggtggag
70381	tgaagcagac	aattgtagta	cccagccctt	tgtatacaat	cttccctcYg	cctcccagg
70441	tcaagcgatt	ctcctgcctc	agcctcccga	gtagctggga	ttacaggcat	gcgccaccat
70501	gcccagctaa	ttttttgtat	tttttagtaga	gacgggggtt	ctccatggtg	gtcagactgg
70561	tctcacactc	acgacctcag	gtgatccgcc	cacctcggcc	tcccaaagtg	ctgggattac
70621	aggcgtgagc	caccatgccc	ggcagttctg	ggctttgcaa	agactagctt	tggttaatag
70681	gactgaggag	agctggcacg	tgggtaccgg	cctcctcttc	ctcctccagg	aaccaggga
70741	tcataccgcg	acgaatgggc	acacagaaac	tgttccagcc	tgtggacgcc	aaatatgtga
70801	ggccacatag	ctcactgaga	cccaggtgag	tgccggggac	cgccactgc	cccatagagt
70861	ggcaagaagt	aataMaatgc	ctggcatggt	atgggtggctc	atgcctgtga	tcctagcact
70921	ttgggaggcc	aaagtgggag	gattgcttga	gcccaggagt	ttgaggccac	agtgaactat
70981	catggagcca	ctgcactcca	gcctgggcaa	cacagtgaga	tcctgtctta	aaaaaaccca
71041	caaagaacac	acaaaataca	aggtctgctg	ttccaggcta	ctaagtcatg	gcacagctcg
71101	tcattgtagta	aaagtgtatt	gctacacatg	ccataccagg	tggctcttac	cttgtgtcgg
71161	ctgggtccgt	gaggcccaag	ggctggttcc	cgtgggtggg	agaagagccg	ccgaggtccc
71221	atgtcctgaa	tgaaagcggg	agaagcacat	tgggttgagg	tctgtcccag	cctcaccctt
71281	ggctgaactc	catggcagag	ctgtcatcag	ggaagacagt	ccccaccact	ctgggaccag
71341	gaagaggcaa	atttggggct	ggatgcagct	tggcagggat	ggctgctgtg	aaggggggtg
71401	ccccccatgg	gcctaagtgt	ttggagtttc	ccaggcaagc	tgggaattcg	agctgtgtgg
71461	actcttgtag	ttttcctgtg	ttggcgttag	ttcctgttgt	tatttgtttg	aaacacagag

FIGURE 1-T

71521	ggggccaaac	atcacccagg	tgacctgtgg	gcggccagtt	tgcaatttct	ttcttttttt
71581	tttttaaacg	gagttttgct	cttgttgccc	aggctggagt	gtaatggcac	aatcttggct
71641	caccacaacc	tccgcctccc	aggttcaagt	gattctcctg	cctcagcctc	cctagtaact
71701	gggattacag	gcatgtctac	cacacctggc	taattttgta	tttttagtat	aaaacataaa
71761	ttatatttta	tattatata	gaaatatata	ttttattata	tattttataa	tatataattt
71821	ctccatgttg	gtcaggctgg	tcttgaactc	ttgacctcag	gtgatctgcc	cgctcggcc
71881	tcccaaagtg	ctgggattat	aggcatgagc	caccgtgcct	ggcccagttt	gcaatttctg
71941	acctgccaa	gaggttggca	tcatagaagg	accaaattct	caggggcaca	gacaggaatc
72001	aaaggtggga	gagagggata	gaaagggcaa	gccctgtctc	tggggagaga	cagtgtggcc
72061	taagtccctc	tgggagagaa	agacagacgc	aggatgacag	acagactgag	acccaagatc
72121	ctccagggct	cgagaatgga	cagacaggca	ggtggaccgg	aagcaggggg	tgatgtgcag
72181	acagacggga	aactttaagg	gcatgaggct	gggcgcggtg	gctcttgcct	gtaatccag
72241	tactttggga	ggctgaggcg	ggtggtctac	ttgaggtcag	gagtttgaga	ccagcttggg
72301	caacacaaat	agactccgtc	tctaccacaa	atttaaaaa	tagctgggca	tggaggtgcr
72361	tgctgtggt	cccagctcct	caggagactg	agggtgtgag	atcgcttgag	cccaagaggt
72421	tgaggctgca	gtgagctatg	atcgaccac	tgactccag	ccagggcagc	agagggagac
72481	cctgtctcta	aaaaaaaaaa	aaaaaaaaaa	cagagaccat	atctggcagc	ttccctggcg
72541	cctccctagc	acatggcctg	gcatagtcaa	tcctagagaa	atatcagttt	ggagaatgat
72601	ttggccttag	gggacagaga	gctgcagcca	ggcactcacc	gaggggtagt	cgaagctgta
72661	gctgtcagac	agtccctggt	cggggggcag	gcgggcgctg	ctgagggggc	tgagcaggcg
72721	ggactttgag	tggaaaggct	tgctgtgctg	gctgccacct	ccaggggctg	gggggttagt
72781	tggggggccc	tcagctgggc	ggcggtctct	cccggcgcct	ccccagcccc	gggcctcctt
72841	accgcccagg	ttgctggccg	ggagcaggct	gtgtaggttc	aggtagggat	tcaggggaat
72901	ccggtagtcc	ttggggggct	cccccagcag	tgagacctgt	ggcggaagg	caggattcga
72961	gagggccccc	gggagaggga	accctgcgga	acaggaggct	ggtgtggtgc	cgcgcgagg
73021	gcagggcctt	accccagggg	gcgtcggcag	aggccactg	tctttctgga	ggcctctgag
73081	gccagagcct	cggagcccca	caggggcggg	gggaggagt	agctgggccg	ctggggggacc
73141	caagcccagg	gcctcccgtg	cacccccagc	agggccaaag	acggatggca	gcaggggtgg
73201	tggcttccct	cgccggggcg	gcagctccgg	gggcaggccc	cctcctagga	aggggaagg
73261	gatttcaggg	gcccaggctc	acaggacccc	tctcccagg	gccctccagc	tcccacctgg
73321	accaggggcc	aggggtcaag	agacaaatcc	atgctggcca	ctgagcagag	ctcatccctg
73381	ggccctgagt	ggagggcacc	caactgatgg	acaagggcgc	tgggacccag	aggttgggtc
73441	actcacccga	ggccacgtag	cagggaaggga	aggggaagt	gctgggggac	accgtgtggg
73501	cagggtctgc	gttacctgca	ggcagctccc	cgaggagggg	gttggctggc	tgggccccag
73561	gctggagggc	gcccaggggg	gagctcocca	ggatgccggg	cttctaggga	cagagcacag
73621	acagttgcag	atgggggcag	ggtggcccag	ggaagcagac	aggtgtggcc	cagagctctg
73681	gcagacacac	cccaactcca	gggcacggcc	gatcctgggc	agacaggcac	aggggtcccc
73741	agtgcgccgc	acactccaac	tctatcactg	tcccatcagc	catggtgacc	gagggctccc
73801	tgagctccag	gccccagttc	cctggccaat	gattgcagca	cagtatcaac	tgcagccaca
73861	tggaaatggg	cagccacaca	gtgtttcagc	cacttttagt	cacagaaggc	cagacccaca
73921	ggctcacata	ttctgtcagt	taccaccaga	cagacacacc	tgacttagaa	tcagggaaac
73981	cacaccagac	aggacggagc	atgggtgtat	gtctatgtgt	gtgtgtgtct	gtgtgtgtgt
74041	gtgcgtgtat	atctgtgtct	ttgtttctgt	gtgcatgagt	ctgtcttgtg	tctatagtgt
74101	tgtctgtgtc	tatgtgtgtg	tctttgtctt	atgtctttgt	gtgtctatgt	ctctgtgtgt
74161	atatttgcac	ctttgtatgt	gtgagtctat	atgtatacct	gtgtttctag	gtgtgcgtgt
74221	gtgtgtgYgc	acacactgag	gggatagacc	tggagttttt	tcccaggcat	gtctatagag
74281	cttccgagca	gagtctattc	acaaactggg	gcccagcagc	ggcgctccca	gcccacaccc
74341	agtttcaggc	tgtaaatggg	cgtgtccagg	tcccctgacc	ccaccccagg	caccaagtcc
74401	aggggcgctc	tcagaatgga	gggaaagatg	gcgaaccatc	atgagcaatt	gccagagggg
74461	gatggggatg	tgggtgggaa	aggcaggggt	ttgggggagt	cgccctcacc	ctggttctgc
74521	gcccccaggg	cacagccaga	ggtcccccca	ccccaccgat	cgcaccagct	gtgttgaaaa
74581	gagcctgtag	gggctgtaga	gcagtgggtg	agggggatgc	gtgtgttacc	ttctggccct
74641	gggtctgcag	ggcgagctgc	aacagcgccg	tggacagggc	tggccatttg	agcagcgga
74701	tggctggggg	ggcaccagg	aggcctggag	ggagacatag	gaggatgtgt	gggggtccct
74761	gtgtcctccc	tgccccacct	cacgaaacac	agccctgaac	ccattgatgg	ggcaggaaac
74821	tgacactctg	gggcccgggg	gtgggcagtg	gacttgccca	aaggaagggc	ctagaagggg
74881	cagagctac	tccagtgaag	gtcagccccc	tcttgtcagc	accccacctc	actgcaggct
74941	gctgtgtggc	cctggtcccc	gccccagtt	gtggacagca	gcagcccccg	ctatgactcc
75001	atactcccc	tcggccctac	tcctggggct	cctgtcactg	cagccaagat	gagcagtttc
75061	gggaagtgcc	gggggcagcg	ctgcagcccc	tgttctgcac	agtggggccc	ctgtccagcc
75121	ccaccttacc	ctgcttcccc	cccgcactgc	catggagcag	ggggttgagc	agcagctgga
75181	gggacgcgga	tgggcccagg	ttgttgagca	gctgcaggat	gttgggctcg	gggaggagtc
75241	ccttcccccg	attgagggcc	tgcaaggaag	aacagaagca	gctcagagtg	ccgctggggc

FIGURE 1-U

75301	cctgacatcc	ccatggggct	cccateccca	ccccgccacc	tctgcccga	caggctcacc
75361	gtggcctggg	cagcgatgag	agcggccagc	atactgcggc	cgggggggcc	aggggcgcag
75421	aaggagactc	gcagggtggc	gccccccagg	gacaggccgt	ccgcctgctg	ctgtgcctcc
75481	tccgccatct	cagccgtctc	atactccagc	accgcgaagc	ccttcagctg	cccatcctgg
75541	ccgcacgcca	gctgccggag	gaaggcaggc	agtcatgagc	atctgggagc	cagtgactgc
75601	accaccccg	gaagtgcaca	ccgtaaccag	actcagctgc	cccataagg	tgaactccac
75661	gccaggcctc	cactgccctg	tgcctcattc	ctgcatcagc	tcacttgatt	ttcccaatga
75721	ccctgggagg	ctgcatcata	cccatttctc	agagaaggca	actgaggcac	ggagagggtc
75781	gcgcacccaa	ggccacacag	ctggaggggag	ggcggagctg	ggagccacct	caccaacaaa
75841	gccaaaggcca	cgggcggatg	cggtggctca	cacctgtaat	cccagcactt	tgggaggccg
75901	aggcgggcag	ataacctgag	gtcgggagtt	cgagaccagc	ctgaccaaca	tggagaaaacc
75961	ccgtctctac	taaaaatata	aaattagcca	ggcgtgggtg	cacatgcctg	tattccagc
76021	tacttgggag	gctgaggcag	aggcaaggaga	gtcacttgaa	cctgtgaggc	agagggttgc
76081	gtgggcccag	atcgcgccac	tgcactccag	cctgggcaac	aagagcaaaa	ctccatctca
76141	aaaaaaaaaa	aaaaaaagag	ataatcagca	acgggtgggg	aaggaaaggc	tctcgttcca
76201	gacagtggcc	aagccaggta	gcagtgcata	gggaagtggg	tgggctgggc	accggcactt
76261	gctgaatgcc	cgggcagcaa	aggtgcagg	agcagccctt	cacctctgcc	cacgcctgt
76321	gccaaaggct	gggcacagat	ctcccataac	caaacctgtc	ggcttttgtt	ttgttttgtt
76381	ttttttgaga	cagagtcttg	ctctgtcacc	ccggagtgc	gtgatgtgaa	cttagcttag
76441	cgtaacctcc	acctcctggg	ttcaagtgat	tctcctgcct	cagcctcctg	gtagctttaa
76501	ttacagggtg	gcaccaccac	gcccagctaa	tttttgtatt	tttagtagaa	atgagggttc
76561	accatgtcgg	caaggctggg	cttgaactcc	tgacctcaag	cgatccgcct	gccttggcct
76621	cccaaagtgc	tggattacag	gcgtgagcca	ctgtgcccgg	ccataaacac	acccatctta
76681	gggatgaaca	gagagagact	cagaggggtc	acagagtgat	caaggccaca	caattcctaa
76741	gtcgagggac	tgatgtgtga	acctcaagct	gcttcactgt	caagcccacc	ctccattcag
76801	cYgggtcacc	taacattaaa	ggtgggctcc	tcggaggaca	tcacttcaac	gcctgctact
76861	catcagatgc	tcaacaaatg	tttgggtgaga	ccaggcccag	tggctcgaat	ctataatccc
76921	agctctttgg	gaggcaagg	caggaggatc	gtttgagcac	aggagtttca	gaccagcctg
76981	ggcaacatag	ggagaccoca	tcttcacata	attttttttt	tttttgagg	agtctcgctc
77041	tgttgcccag	gctggagtgc	ggtggcatga	tcttggtcca	ctgcaacctc	cacctccctg
77101	gttcaatcaa	ttctcctgcc	tcagcttccc	gagtagctgg	gattaaaggc	acctaccacc
77161	acgcctggct	aatttttttt	ctatttttaa	tagagacagg	gtttttgttt	ttgttcttga
77221	tttttttgag	acggagtctc	gctctgccac	ccagactgga	atgcagtagt	gggatcttgg
77281	ctcaccacaa	cctctgtctc	ccaggttcag	gtgattcttc	tgcctcagcc	tcccaaatag
77341	ctgggaccac	aggcacatgc	caccacaccc	agctaatttt	tttttttgta	tttttaatgg
77401	agatagggtt	tcaccatgtt	agccaggatg	gcctcgatct	ccagacctcg	tgatgcacct
77461	acctcgccct	cccaaagtgc	tgggattaca	ggcgtgagcc	accgtgccat	gagacagggt
77521	tttaccatgt	tggccaggct	ggtttcgaac	tcctgacctc	aagtgatctg	cccgcgcgag
77581	cctcccaaag	tgctgggatt	acaggcatga	gccactgtgc	ccggcctcta	cataaaattt
77641	taaaaatcag	ctgggcatgg	tgaYgcattc	ctgtagtctc	ccagctacat	gggagcccaa
77701	ggtagaggga	tttcttgaa	ccaggaggtc	gaggccggag	tgtactcctc	cagcctgggt
77761	gattgagaac	ctgtctcaaa	aaaaaaaaaa	attaagttta	gtgaatgttc	gagtggagga
77821	atgaatgggc	agctgttcac	aacaacctga	tcatgaagca	ctgccagccc	cattttgaga
77881	tgtggaaca	ggctaggaga	gtacctgtag	ctggctatga	ccctgtgacc	tttgatctcc
77941	acataagaag	gtaaggccag	gccagcgag	tggctcacac	ctgtaatctc	agcacttggg
78001	gaggccgagg	caggtgtatc	acctgaagtc	aggagttaa	gaccagcctg	gccaacacgg
78061	cgaaacccca	tctctattaa	aaacacaaaa	attagctggg	tgtggtgtca	ggcgctgtca
78121	tcccagctac	tcgggaggct	gaagctggag	aatcacttga	accaggagg	cggaggatgc
78181	agtgagccaa	gatcgcgccc	ctgcactcca	gactgggtga	cagagcaaga	ctctgtctta
78241	aaaaaatata	aaataaaaata	aaagaaaggt	gaggccattg	tgctaactca	tcttctgtcc
78301	tgagcccgcga	caggcgccct	ggtacatagc	aggcctggta	cgtagcagg	gtccaagaga
78361	aagcagcaga	atggatgaat	gataagtaaa	cagagagggg	gttcccgtgg	ctcatggata
78421	ctcagttttt	gttttttttg	tttctttgag	acggagtctc	gctctgtcgc	ccaggctgga
78481	gtgcagcggc	acgatctcca	ctaaccgcaa	ccgcagtctt	ctgggttcaa	gcaattctcc
78541	tgtctcagcc	tcctgagtag	ctgagattac	aggcgcggtg	cgccatgcct	ggctaccttt
78601	ttttttttgt	tgtattttta	gtagagacgg	gatttctcca	tgtttgtcag	gctggtctca
78661	aaactcctgac	ctcagggtgat	ccgtccgtct	cggcctccaa	agagctggca	ttacaagcgt
78721	gagccactgc	gcctggcctg	tttttttttt	tttttttttt	tctgtttttg	agatgcagtg
78781	ttgctttgtc	acccaggctg	gaRtacagtg	gcgtgatctc	agctcactgc	aaactccacc
78841	tcccagggtac	aagcgattct	cctgcctcag	cctcctgagt	agctgggatt	acaggcctgc
78901	accaccacac	ctggctaatt	ttttttgtat	tttttagtaga	gacaggggtt	caccatgttg
78961	gccaggctgg	tcttgaactc	ttgacctcaa	gtgatccacc	tgcctcggcc	tctcaaatg
79021	ctgggattac	atgcatgagc	cacctcacc	agcctgtttc	ttgttttaaa	tatagagatg

FIGURE 1-V

79081	gtgtcccaact	atcttgccca	ggctagtctt	gaactcctgg	tctcgagtga	tcctcctgcc
79141	tctgcctccc	aacagacacc	tagtttaa	ggggcacc	taccccaact	acacgagagg
79201	gacccactca	agcccacaga	gctgggggtc	cgagcccagg	actgtctctc	tgtttttgag
79261	atRaggggtct	agctctgttg	ctcaggctgt	agtgtcatgg	tgctgtgggtg	cgatcatggc
79321	tactgcagc	ctcggactcc	cagaatcagg	caatcctccc	acctcagcct	cctgagtagc
79381	tgggactaca	ggcacacccat	catacctatc	taatttttgt	atagagagga	tttcaccata
79441	ttgcccaggc	tggctctgaa	ctcctgggct	cgagggatcc	gccccctca	gcctcccaaa
79501	gtgttaggg	tacaggtgtg	agtactgca	cctggccagg	cctaccctct	ttaagcctct
79561	gcactggcct	ccgctcactg	gcccagctc	tggagctagg	ctgcggtgtt	ctgatcccag
79621	ctctgccaga	ccctggctgt	ttaactctag	gcaagttact	tgaccctctc	gtgccttgg
79681	atcctcacct	gaaaatggga	gtgatacctg	cctctcaggg	ttgctacagg	atgaagcaac
79741	tgaagggttac	gtactcagag	tccacagcga	gtgctggggg	aatgtcccct	ttgggtctct
79801	tggggatcaa	gaccttctgg	gggtctcttag	agagtgaagtc	tggcctgttc	tcgccccact
79861	gcacctgtta	cagggcgagg	cacacacaca	gaagtgcctg	gcatgtgtgg	cttgaatgaa
79921	caagggactg	tttttgccaac	ccattgtgca	agtattgagt	ccctgcttat	ggaggaggga
79981	aactgcagat	cagagagcca	gtgactggcc	cgagctcgag	ggcggggctg	gggtgtggca
80041	aagcctcagt	ctctgacctc	aaggctcaaa	tagactgtgg	gctcctctgc	agcctcctca
80101	atgcctgggtc	caggtctggg	accccatggg	aggtttgacg	agggtagcag	cgaatgagga
80161	gggtgagtggt	gagcaagcct	cgagatccat	agttacaaga	gtggccttgc	atgcatctga
80221	tagagggaca	gtgaggcctg	aggctgcaga	gggattcaaa	tcccctggcc	aggtgtgggt
80281	gctcacgcat	gtaatcccag	cactttggga	ggatcacctg	aggccaggag	ttcaagacta
80341	tcctggccaa	catggcaaaa	ccccatctct	actaaaaata	taaaaattat	ccaggcatgg
80401	gggcgggggcg	cctataatcc	cagctactct	ggaggttaag	gcaagagaat	tgcttgaacc
80461	aaagaggcgg	agggtgcagt	gaactgagat	tgtatcactg	cactccagca	tcggtggcaa
80521	agtgaactg	tctcaaaaaa	aaaaaagaaa	aggcagatga	ctccaaagac	tctctcaggt
80581	gctccggggcc	tggcacctgc	tcccacatgc	tctccacagg	gctcacctgg	cagaagggtg
80641	ggctgtggac	agctgacagc	gcccggcaca	gagcgtccac	atcgttgaag	ccagggtggca
80701	ggcgggtccac	acagaggcag	cgggagtgga	gaagggcagg	cgtcagttgc	ccggcatccg
80761	tcacagtgcac	gtagagggtg	cgtgttccca	gcggcttgcc	cagcaggtcY	gacttggcac
80821	gggcagccga	gtccttcttc	atgtactcag	caaagccata	gcccttggat	tgccaggtgc
80881	gctcactgta	gaccaggaag	cagcgtcca	ggctgccgaa	ggggccgacc	agctcctcga
80941	actgctgctg	tgtgaggctg	gggggagagg	tgccacaca	cagcagggca	tccgtgggct
81001	gcagctgcac	cgacagttcR	cgctccgcga	ggcggtctctg	gtggaaagca	ttgattgcgg
81061	cctcggcctg	ctccccattc	agcagggtca	cgaaggctgc	ggtgggagga	gggcagtgcg
81121	aggtcagccg	ggccctgagg	gcctgcccct	ccaccccgcc	accctgcaaa	ccagggtggga
81181	cctccaaatg	ctgggcatct	caggtgcctg	ctgatctgag	cagttgccag	ccttggcgac
81241	tcacacaggc	gagagcgcct	gccattgact	ctaggctcca	cgaagccac	tcctctctcc
81301	agccctgcgt	ccacctgcac	ccacagcagc	gctcaccaac	tgtgggcctg	gctctgtcct
81361	aagaacgctg	tgggtcactc	gggtgatacc	aagggcagtg	gttaagccca	tgctcactgg
81421	ggcccagatt	taagcccca	gcccagggtg	gctttggggg	tatcagtttc	ctcatctctc
81481	aaatggatat	aacttaatca	tcacaatcac	cattttgcca	gagaggaaac	gggcccagag
81541	cagcacccct	gtgccccgag	taggggagcc	tggacttgaa	cccaggcagc	cggactccag
81601	aggcccactc	tacacactgc	ccaccctgc	cacctttcca	ggccaccagt	gcccctgaac
81661	cctgctgcca	cgtgctgccc	cagatttgcg	atccaccag	cggccgcagg	aagctttgtt
81721	caaaacgatac	acgccacatc	catcttgtgg	cttctagctg	caggggtcgag	tgacagcctgt
81781	gcgggctcgc	tgacctcccc	tcccatctca	ccgctgccac	ccggaccacg	ccaggcacac
81841	tccagagggg	cctttgcagc	tgctgtttct	tgagcatgga	acactgagcc	ccacctcctc
81901	acctgggttaa	cctggaccca	cccaggtaga	aacctgtct	ctactaaaaa	tacaaaaatt
81961	agccgggcat	ggtggcacat	gcctgtaatc	ccagctactc	gggaggctga	agcaggggaa
82021	tgggtgaac	ccaggaggcg	gaggttgag	cgagccgagc	tcgcgccact	gcactccagc
82081	ctggcgacag	agcaagactc	catctcaaaa	aaaaaaaaaa	aaagaccaca	caagcagggg
82141	tgactggctg	agtgaaggcaa	gagggtgaag	aagagaatga	acccacggcc	aaacgttgtc
82201	aagaattagc	tcaatgccaa	gcgagtgag	taggaagaga	atcagcccga	tgcccaggtg
82261	tctccaagga	gaacatgaag	gctgtcccaa	gatgacagga	tgacaggcag	attggggcaa
82321	cctgccatgt	tggcctgggg	ggcaatactg	ggcctgaagc	tcagagcagc	agacagttag
82381	ccaggccctc	ccatcttcag	ggatggctac	tccctgccct	ggcccRccc	atggccccac
82441	aaacctgtcc	ctttgtattt	gtccacaaaa	cagtatttga	gctcatagtc	actgagcagg
82501	tcatgtactt	cctgtggaga	tacaagacaa	aagacaggga	gttactggag	atggaagggg
82561	gcaacccagt	gccgcttcat	agctgccacc	agctatgaag	gcaggtcaat	taccaccccc
82621	cattttacca	atgaggaaac	tgaggtcga	tgagtaatt	ttgtcaaggt	cattctgtct
82681	atacctggca	gagatgggat	tcagaaacct	gctgcagact	gtgctattac	ccagggaaca
82741	tgctcttaga	gggtatacct	ttagctggct	gggccccgtg	gcYcacgctt	ataatcccag
82801	cattttggga	ggccgaggcg	ggtgaatcac	ctgaggtcag	gagttcgaga	ccagcctggc

FIGURE 1-W

82861	caacatgggtg	aaaccttgtc	tctactaaaa	atacaaaaat	tagccaggag	tggtggcgca
82921	cacctgtaat	cctagctact	cgaggagctg	aggtaggaga	actgcttgca	cccaggaggc
82981	agaggttgca	gtgtgccact	gcaactccagc	ctgggtgaca	aaggagagaca	ctgtcaacaa
83041	caataacaac	aaggccgggc	gcggtggctc	acgcctgtaa	tcccagcact	ttgggaggcc
83101	gaggcgggtg	gatcacgagg	tcaggagatc	gagaccatcc	tggtcaacaa	ggtgaaaccc
83161	cgtctctact	aaaaatacaa	aaaaattagc	cgggcgcggt	ggcaggcgcc	tgtattccca
83221	gctactcggg	aggctgaggc	aggagaatgg	ctggaacccg	ggaagcagag	cttgacgtga
83281	gccgagattg	cgccactgca	gtccgcagtc	cagcctgggc	gacagagcga	gactccgtct
83341	caaaaaaaaa	aaaaaaaaaa	aaaaaaaaata	acaacaacaa	aaaaaaaaaa	aaaaaaaaag
83401	gccgggctca	cgcttgaat	tccagcactt	tgagggtga	ggcaggcggg	tcacaagatc
83461	aagagatcga	gaccatcctg	gccaggaagg	tgaaccccca	tctctactaa	aaatacaaaa
83521	atcagctggc	tgtggtggcg	tgcaactgta	gtcctagcta	ctcgggagac	tgaggcaaga
83581	caattgcttg	aacccgaggg	gtgaaggctg	cagtgcagcg	acatcaagcc	actgcactct
83641	agcctggcga	cagagtgaga	ctccgtctca	aaaaaaaaaa	aaaaaaaaaa	aagagtatgc
83701	ctttagggaa	gccatttaac	ctgcatgaac	ctccttttgc	aagattcact	gtttccaaca
83761	actctgtaag	tgaagtatta	acaaactcat	gttgatatg	agaaaactta	ggctaggaga
83821	agtgaagaga	tctgctggag	gccatgcagt	tgggcagcgc	agccacccat	gggtacctga
83881	ctggggagcc	caccttctag	taagccccac	gttgtgtggg	ttcacatgcc	tcccaatttc
83941	ctcctgctga	taaagctgcc	ctcttccaag	ccagctcatt	tatttttctt	tttttttagag
84001	atagtgtctt	gttctgtcac	ctaggctaga	gtgtagtagc	acaatcatag	ctcactcagc
84061	cctcaacctc	ctaggctcaa	gtgatctccc	cacctcagcc	tcctgcgtag	ctgggactac
84121	aggcacgcac	caccatgcct	ggctaatttt	taaaaatttt	ttgtagagat	gagggtttca
84181	ctataccgcc	caggctagtc	tcgaaccttt	gggtcacaata	cagcctcttg	cctcagcctc
84241	tcaaagtgtc	gggattaaag	ggatgagcca	ccatgccag	cctctcaagc	cagctttgaa
84301	ggcaaaagtgc	tgggcgctgc	tgggaccaga	cacactgtgc	atcttgcagg	agagacaatg
84361	tgttcccagc	tgagagactg	cagacactga	gaggaagacc	cagaaaagaa	cctgaccatc
84421	cttaatgatc	cctgtcccga	tctgtcccga	aattcagccc	ctcccaacat	ccctgggggt
84481	ccactagcca	cgtgcccacc	cgggtgtgctg	gtgggcccga	gagcagggaa	tctcagcagc
84541	aggaaagcag	aacctatttc	accgccatag	ggcagggcag	tatagatgcc	atttccctgg
84601	gtccaaagag	cattgggaag	cgctgcccc	tgctggcccc	atgagaaggg	cactcctagc
84661	aggaaagatta	gccacgaggg	gctccataga	acacaggcct	cgcttcttcc	ctgtagggtc
84721	gtaggctggt	ggcagaagac	cccattttcc	caaattaatc	ctgaggtttt	gggggctgag
84781	acccgggggc	tgctgttaac	ttccggatatt	atctctgaga	gcagtgaata	acgcgctgag
84841	atggaggggc	gtactctccg	cagtctgaa	acttctggat	gtgaggtccc	gccaccctgt
84901	ggtagagtgg	gtggagaaaa	gcatcatcca	agcagggggc	aactggtggt	ccaatgtacc
84961	agccccattca	caattcccc	acaggacca	agctgtccgc	ccccttccat	tccccgcgcc
85021	cttccatcac	ttggtgtcgc	ccaagctgtg	ggtcgccctt	agcaacgcgc	tccctcactt
85081	cgcagtcggt	ttccccttcc	atcatcgccc	ccccacgtcc	cgctcttggt	ctctcccgat
85141	cccgcgtgga	tccggtgctt	gggcgccccc	gccaacgacc	cccgcgcacc	tcagcggttg
85201	tgtcgcccgg	ttcccgcgcg	gcacgcgcac	cgtggtattt	cccgcacgcg	tcctacaccg
85261	cccccccaaa	tacctggttg	gtcacgtccc	ccgggaggcc	ccggatcagt	atcttgcggc
85321	ggttacggaa	ctggcgctcg	gtgtgttcca	ggcgtttccg	gatctcttct	ggatctagag
85381	gcgcgagctc	ttcttccggc	gcccgcgct	ccgcggcatc	gcccggttcg	acttcggccc
85441	cagacttagg	gctcagcggg	ggccggtgag	taacggacac	gtccgcccgc	atcttgggaa
85501	accgcgcgcc	ttctgggacc	agcagccggg	ggcggagcgg	catagagcgg	caacgagggc
85561	gcgcccgtcg	attggctggg	agaaacccca	cctccttccc	gcccccttg	ccccgttggc
85621	taagccccag	cccacctctc	aagagttaa	gctgcgtctg	cgcgccacag	gccccgcccc
85681	cttccgtcgc	agcgacgcta	ctcagtgat	gtgcacctgg	gtgggagaga	cttgacgcgc
85741	gggtggaatc	aaaccacaga	ttagggtggt	tgaaggcttt	attggtgcgg	aatctgaggg
85801	cacagccaag	ccccgcgcaa	ctttgatccc	ggatcccagc	gtcactcagc	tctggacggt
85861	tcttccccca	ttgcttctgt	cggtgcata	gacgtgaggg	gcagataggt	gStctcctcc
85921	ctaacatggt	aactgccgct	ccgttggtgc	tccctgaaga	cgtacattaa	ggccagtagc
85981	atagtaccca	cgcccagggt	cagtaacacc	gccacgaaga	cggggacaaa	gtgggagctc
86041	ccagctgtgc	agagaaagcg	ctaagtcaat	atgcgtccct	tctgtctcca	acccccccgc
86101	cccccggtt	accggtccag	acccgcagcc	ccgtRttagc	tcaccctcaa	tgtccatcac
86161	cacgaccagg	gtgtatttgc	ctcgtgagct	ggacgcttgg	cactgataag	taccattatg
86221	tgttacggtg	acgaagaacg	ggatccccac	cggcacctcc	cggtggagc	cttccctcaa
86281	acaccgcagc	tcggggtagc	ggttgcccct	ggcttggcac	tgaggagcgt	gtctcgtttt
86341	atctttccat	ttcaagtgtc	gggggcatgt	ggctcggtca	attttgggac	catctgtgga
86401	accaccatgt	gtgatcagac	acccaacaca	cccagggcac	agtgtgtcag	aggagcgtct
86461	aatctttcca	gggcagggtg	ggagggatta	aaggtcaggg	tgaccgactc	acacaggact
86521	cgcagctgga	cgctactgtt	cctgtgcaag	aactcgccgt	ccacctcgag	agtggcactg
86581	cagaagaagc	tgcgctccgtc	gtcactctcg	gtagcattta	gctgaagttg	agctggctgc

FIGURE 1-X

86641	ccccggggccg	cggccggaac	tccgtccagc	gtgacctgga	ctcgagcccc	agccatgcaa
86701	ctcacgggtca	ctgtgggaccc	ctcatggggcg	gtgggctcgc	tgagggttcac	aatgggtcct
86761	aggaagccta	aaggcggggcg	attgcccagg	agcttaatga	acaggacctt	cctgtgggtc
86821	aagccgctcc	ctccgccctc	ccctttcctc	tcgggatatc	cgggccacgc	tttcggccgt
86881	tcaagcctcg	ccctctttcc	gcgctgtgtc	cagcttcggg	cactcaggcc	caaccacgt
86941	tgcaactgct	attggggcaa	gccaggcccc	accttttcgg	ctagtctccg	ccccctctgc
87001	cacgccccca	gactgctgag	gccgcgcccc	cttcccacgc	ctcctcttac	taaagaccgt
87061	caagtctctc	cgggcctccc	gtctctcgcc	ccctagggtc	acgttgacga	cgatctcccg
87121	ggcaccctcc	tgatccgcgc	gcgcggtggc	tgtggctgtg	gccgttagcg	tgtccccgtg
87181	gttcatgact	gtcgcattca	gcatctgggtc	ccccagcgcc	aggtagacct	gggcctctga
87241	ggctggaaaa	agcccgtcta	gggtgcagtc	caccggccac	gacgtttcca	cctccaagaa
87301	ccggggggcc	acgagcgcg	ggggggctac	gggcaggact	ggggagaaag	gtgggcatag
87361	tacaaccccc	aggactgtgc	cttcccagg	acacctcat	ccccccagt	caggatatct
87421	tgctgactgg	gtcacccttc	ttcacaggac	acacacacag	ggccatgaaa	acggccttct
87481	tcaaagatcc	cacggctcgg	gcctcccttc	cggggccacc	tgcccagtg	gccgggggct
87541	ttcttccca	gaacctgtg	aggtccgggg	taccccactc	tcaggaaacc	caagtcagg
87601	gcaccgtcta	ccctgggtca	gctcgtcacc	caccgtctga	agccccctct	ctcaccaaag
87661	gttcggagct	ggcggggggc	tgaggtgttc	acgaacagtc	ccagcccctg	gggctgcatg
87721	tccagttctg	tgcggcata	gaaaggggct	ccgtggctgt	ctctgctggc	cagcacagtg
87781	gcagtgacct	ccgctggctc	ctccagtcgc	ggctgccggc	tcagctcttc	ctcccagcga
87841	agcagcacca	ccgtgaggct	ggtccggggc	gacccaYcct	ccacttggca	gcgcagggtg
87901	aagttctggc	ccaccggctg	ccaaggaggc	aggggtgcc	gctccacacg	ctccgggagc
87961	cctgagagag	gaggggagga	tggcacttag	cgggtcctgc	aaaccacacc	actcacccca
88021	gggactgggg	aggagacagg	gtRgtcctgc	cgagaactgt	gagctttgag	ttataaaact
88081	tagagggctt	agagctgggc	cagtcgaagc	gtttgtatt	atcattagcg	cagtgattat
88141	catttcctgt	gttgtcagat	accttgcaag	gcgctaaaca	aaactttctg	ttctcaaaga
88201	tggcaMaata	aaaaaaaaatg	aggatggaa	ggatgaacgt	ttatgactat	gatatgaata
88261	ttaaaaattc	ctgtttatgg	ccagactggg	tggtcacgc	ctgtaatccc	agagctttgg
88321	gaggccgggg	tggttggtatc	aaRaggtcag	gattattcag	ttctctccaa	tcaggttcag
88381	acactcaggg	ctttcctggt	tcaccagccc	tgtggcagcc	tctcaagata	ctccggcaca
88441	gtcacaggag	acttgacact	cccaggctgg	gtgccctccc	cagtaacact	acaaaacgct
88501	gggcctcagg	ccgggcactg	tggtcatgc	ctgtaatccc	agcactttgg	gaggccaagg
88561	tgacaggtac	acctgagacc	aggagtcaa	gaccagcctt	gccaacatgg	tgaaccccca
88621	tctctactaa	aaatacaaaa	attagccagg	catggtagca	cgtgcctgta	atcccagcta
88681	ctcaggaggc	tgaggcacaa	gaatcgcttg	aaccaggag	gcaaaatttg	cagtgaagctg
88741	agatagtgcc	actgcactcc	agcctggcga	cagagagaga	ctctatgtca	aaaaaaataa
88801	aaaaaaaaaa	aaggctgggc	aagggtgactc	atgcctgtaa	tcccaccact	ttgggaggcc
88861	gagggaggcg	gatcacttga	ggtcaggagt	ttgagaccaa	cctggcccat	atggcaaaac
88921	cctgtctcta	ctaaaaatac	aaaaattagc	cgggcattgt	gtcacacgcc	tgtaatccca
88981	gctataagg	aggctaagac	aggagaatca	cttgaaccca	ggaggcggag	gttgcaatga
89041	gctgacatcg	cgccattgta	ctccagcatg	ggggacaata	gcaagactgc	gtctcaaaga
89101	aaagaaaagt	caaaaagtag	gccaggcatg	gtggctcacg	cttataatcc	cagcactttg
89161	ggaggccaag	gcgggcagat	catttgaggc	caggagtgtg	agaccagcct	gggcaacatg
89221	gtgaaatcct	gtccctacta	aaaatacaaa	aattagctgg	gcgtgttggc	atgcgctgt
89281	aatcccagct	actcaggagg	ctgaggcagg	agaatcgctt	gaaccgggaa	ggcagagggt
89341	gcagtgagcc	aagattgcgc	cactgcactc	tagcctgggg	gacagagtga	gactctgtct
89401	caaaaaaaaa	aaaaaaagaa	agaaaaagaa	aaaaaaagta	gccaggcctg	caatcccagc
89461	tactggagag	actgaagtgg	gaggattgcc	tgagcccagg	agtttgagac	caacttaggc
89521	aacataggga	gatcctgtct	ctaaaaataa	ggtataaaaa	agtgtaaatg	taaaacctcc
89581	atttgcctac	tgctgactga	aagggtacc	cccttttttg	cttaagagac	aagggtcttg
89641	cttttttgca	caggctggag	tgcaagtgtg	caattatagc	tcactacagc	cttgaactcc
89701	tgggctcaag	cgattctccc	accttggctc	cccaagtagc	tgggacttca	ggcatgtgcc
89761	accatgcccc	gctaataattt	tttattttatt	ttttagagaa	cgggggtgtcc	ctatattgct
89821	ctgcctggtc	ttaaattttcc	ggactcaagc	aatcctcctg	ccttggcctc	ccaaagtgtt
89881	gggattattg	ttggggccag	gcgcagtggc	tcacacttgt	aatcccagca	ctttgagagg
89941	ctgattgtgg	cggaaacacc	cgtctctact	aaaaatacaa	aacttagctg	ggcattagct
90001	ggacctggga	ggcagaggtc	gcagtgagcc	gagattgcac	cactgcactc	cagcctgggc
90061	tacagagtaa	gagacgccat	ctcaaaaaaa	aaaaaaagct	tgttggggcc	ggcgcgagtg
90121	gcccatgcct	gtaatcccag	cactttggga	ggctgaggtg	ggcggtatgc	ctgaggtcag
90181	gagttcaaga	ccagactggc	caaatgggtg	aaatgccatc	tcaactaaaa	atacaaaatt
90241	tgctgggtgt	ggtggcgtgc	atgtgtaatc	tcagccactc	gggaggctga	ggcaggagaa
90301	tcacttgaac	ccaggaggcg	aaggttgtag	tgagccgaca	tcgtgccact	gcactccagc
90361	ctaggcaaaa	agagcgaaac	tctgtctcaa	aaaaaaaaaa	aaaatgcttg	ttggggccca

FIGURE 1-Y

90421	agttaattga	tttcacaact	gctgccttgg	catgagattg	agatgcgtct	ctatatctct
90481	gtctctgtct	ctgtgtctct	gtctctgtct	atctttgtat	ctcacacaca	aatgtccagg
90541	tctgagctct	gggtcagaac	tgtggtccat	tctttgcaa	ctgaggggtc	ccactctcct
90601	gagccattgg	ccacttgccc	acaccactac	ccaagaccag	tcccacctcc	ggacacgtcg
90661	actcactgta	cacggtgatg	ttagaggagc	ctgttatctg	Rgagccattg	cagtacactg
90721	agcagaggat	ccgactgttg	ccagtcacgt	tgctgagatt	gaaggctgcc	cagcccatgc
90781	cactggccac	cagctccttt	gatagggacg	tctccaaggc	gattttctca	gagctgggac
90841	aatcagtact	gcagttcaca	aacaggggacc	ctccagcaga	gagcacaggg	ttctggggct
90901	ccacccgcaa	aaggaaactcc	tgcccctgga	caccttcagg	aacatgaaga	agtcctgggtg
90961	tttgtttctt	tgtYccccaa	cccacgcata	aacaggcccc	accatttaac	acctctctcc
91021	ttgtgccgag	acagaagggt	tcctgccttc	atggtccagK	gggaaaggta	gaatccatca
91081	gagaccRggg	agaactcaga	aggaggccag	aagaggctct	gatccagcat	aggaggaggt
91141	gagtccaggga	aggcttcctg	gaagcgggga	ccattgcagc	ccgaaactga	aggctaagta
91201	ggagtttagca	agtgaagggt	acaggtgatc	ctggcagagg	gaagcacata	cgcaaagggc
91261	aaatttcagg	agttcagatg	gagcaggaag	catgaggggt	gtgtgtgtgt	gtgttagggg
91321	agagggatgg	cgtacaagcc	tatgctgggg	cctgaccacc	tgaaggctga	actaaggaac
91381	cagaactttc	tcccagggat	acagagtcag	cggccaggtc	gcagtgtggc	aggatgtgaa
91441	cagcgttgct	ttctattcct	ctaccctcta	ctgatcccca	aaacgcagcc	ctctccagcc
91501	ctccccggct	tgactggtct	cacctgggggt	cagcagacag	cagaccagca	gagtccagca
91561	ggccctgggc	cacaacacgg	atggtaccat	ggtRgccatt	ctgacagagg	aaggtgcctt
91621	cctgaggtgc	ccgaagggca	ggcaggggaa	aaggcggggc	ctcccactgc	gacggaagca
91681	cagcggttaa	gattgcagaa	gtctggggac	tgcaccttgc	ccaggcctgt	gggtggaagg
91741	ggatgctgtg	gcccttgggg	gccagggttg	gggacccaga	cggggctctg	caaagtggcc
91801	agcactgctg	agtctcccc	agggaatggg	ctggtcccag	ttgcaactgt	ggccccattt
91861	tgaattcaca	ggaaatgcta	actaaactgg	ttctttttgt	tctcagcact	gggaagcctg
91921	ggtggggggg	atgaggcatc	tccttctggc	tgaacttagg	tgggtagggg	aatattctgt
91981	ccccagagag	gaagttaatg	gggaaaactg	taggcaccat	tgtgtagatg	ttaagggtggg
92041	atttcgagga	aacattaaaa	aacaaaaaca	aaaacagaaa	cagaagcaga	gtcttgctat
92101	gttgccccga	ctggtcctga	actcctggcc	ttaagatggc	ctcctctcat	cttgacctcc
92161	caaagtgttg	cgattacagg	cgtgagccac	cacgcctggc	cacctttgaa	gatcttgagg
92221	atactccctt	atctttgaag	atcttgggga	tcccccatcc	cctgcacaaa	gagctaaggt
92281	agggtgattg	gggacagctg	aKtccttgag	ccactgtcta	tccaggattc	tacttggttt
92341	ttgtttgttt	gttttgagac	agagtctcac	tctgtcacc	aggYtggagt	gcagtggcgg
92401	gatctcggtt	cactgcagcc	tctgcctccc	gggttcaaac	gattttcctg	cctcagcctc
92461	ccgagtagct	gggattacag	gcattgtcca	ccacgcccgg		

FIGURE 2-A

>4:87306501-87383000

1	tagacagtca	tatataatgg	aaactgcaaa	cctccgaaag	tgtgtctgcg	tgtgggcaaa
61	tagtaaaata	gcattgaata	cacaatgtct	tcaaacacag	tacacaagtt	tgacagttat
121	tctaactgct	ctaaaattct	ttttatcaga	ttcactgcta	acatgcatgg	aaaatatgat
181	gacaaattcg	Ragattccta	aaagagaaaa	gaaggctata	taatacaatc	aattattaca
241	ttgtcttttt	tcacaattct	gtaataattg	atggtaattc	aatagatatt	tatctttatc
301	taactttatc	tttaaaacta	tcccaagttt	acttattact	gctacggttt	taaattgcag
361	cagctgaaat	atagtaggac	aaatgcataa	tttggaaata	gactaaatat	tgcatttcac
421	cttgatcaca	tcgtctctgt	gccctgagca	aatagtttaa	cttctctaac	cctcaatttt
481	ctcatctgaa	aaaaaaaaatg	aatcctctct	ttcggacttt	caagaaattt	aatttggaaag
541	atataaggga	aacatttgca	tctactacag	tgtttctcaa	agtgtaatgc	accaggaat
601	cacctgggga	ttctgattca	gaagctctgc	attgggtgct	aaaattttca	gcttccaggt
661	gatgccagtg	ctactattct	attattgctg	atgttatctg	gaagctgggt	tataatgcaa
721	aatctcatgt	cccacccaat	gcctactgaa	tttcaatctt	ccttttaaca	ggatctccag
781	gttaattttta	tgaactttta	aatttgaata	acattgatgt	agcagtagat	cttgcttatt
841	gctgatatgc	agtcgaaaat	attataagtt	ttgaatcatc	acaagaaaag	tgtgtagaat
901	ataaatgaat	ataatatgtt	ttttcctctt	caaaatctga	ttttgaatta	tatttcccag
961	gtgtcaccgg	aagctaaaga	gtggccttgc	ctcaggtcag	gtttctactc	cctgacagcc
1021	tctcaattag	ctgctgttgt	aatgaaatta	tgcatgttca	aaagcctttt	tgcatatttt
1081	tcttcaccaa	atctcaagtt	ttaaagtattt	tatatagaaa	ctacataaaa	tccaaccctg
1141	ctctgcccct	tccagtggtc	gccagatagc	tggttttctt	tgtgattttg	ggctgttggt
1201	tttctaggag	aggaggagaa	gatttagagca	agttaaaacg	ccacagacct	tgctgctctt
1261	actgagattc	agccattttt	cctaagtaaa	cactctccag	attgcatcaa	gccattagtt
1321	aattttacaga	attccaaaat	agttgattct	ggagattttt	gctagtgtct	tatatggtga
1381	agaggatttt	tggaggtctt	cactacacca	ttctggctga	tgtcgcttaa	aatgccctga
1441	agtttttgaa	tgggtgaacaa	aagtcttatg	gattttcatt	atcttgataY	attagagaaa
1501	ccatgcatcc	acctgattgt	attgggtctc	atttacagat	gccactaaaa	tatcttgata
1561	gtttgaggca	attattagat	gagaggtcac	agtgacctcc	tcctaagaaa	tatttctcag
1621	aattaaatgt	caaattttta	ataaacattg	tattatgatt	aagagcccag	gtttttaatg
1681	aaccctggga	tcaagccctg	ggctctggtc	ttaacgtgta	accttaatca	agttacttaa
1741	cctttataat	acagtataaa	taacagtatg	tatgtataga	tttatttcaa	aattcaattt
1801	aattacaaaa	gcaaagtgtc	tgacacagtt	catggcacia	agtaaagtct	caagatgttt
1861	tagctttctat	tgctattatc	atagttaaga	atatggtttg	gtactgataa	taataatgaa
1921	tgtttctctg	aatgtgtttc	tttaagagtc	acattgaaat	agaaataaat	aaaaactgtc
1981	tcactcatgc	tactttatgt	tctatgcaat	tctaggcact	gtggtggtcc	agcagttgat
2041	gtcagtgatg	attagcaaac	atgattgcct	ctttcccaaa	gatgcagaac	tacaagcaaa
2101	gcccgaagat	ggagttagca	acaacaatga	aattcagaag	aaagccacca	tggggcagtt
2161	acagaacaag	gagaacaata	acaccaagga	cagccctagt	aggcagtgct	cctgggacaa
2221	gtctgtagtca	ccccagagaa	gcagcatgaa	caatggatcc	cccacagctc	tatcagcag
2281	caaaaccaac	agcccaaaga	acagtgttca	caagctagat	gtgtctagaa	gccccctct
2341	catggtcaaa	aagaacccag	cctttaataa	gggtagtggg	atagttacca	atgggtcctt
2401	cagcagcagt	aatgcagaag	gtcttgagaa	aacccaaacc	acccccaatg	ggagcctaca
2461	ggccagaagg	agctcttcac	tgaaggtatc	tggtaccaaa	atgggcacgc	acagtgtaca
2521	gaatggaacg	gtgcgcatgg	gcattttgaa	cagcgacaca	ctcgggaacc	ccacaaatgt
2581	tcgaaacatg	agctggctgc	caaatggcta	tgtgacctg	agggataaca	agcagaaaag
2641	acaagctgga	gagttaggcc	agcacaacag	actgtccacc	tatgataatg	tccatcaaca
2701	gtttctccatg	atgaaccttg	atgacaagca	gagcattgac	agtgtctacct	ggtccacttc
2761	ctcctgtgaa	atctccctcc	ctgagaactc	caactcctgt	cgctcttcta	ccaccacctg
2821	cccagagcaa	gacttttttg	gggggaactt	tgaggacctt	gttttggtatg	ggcccccgca
2881	ggacgacctt	tcccacccca	gggactatga	aagcaaaagt	gaccacagga	gtgtgggagg
2941	tcgaagttagt	cgtgccacca	gtagcagtga	caacagttag	acattttgtg	gcaacagcag
3001	cagcaaccac	agtgcactgc	acagtttagt	ttccagcctg	aaacaggaaa	tgaccaaaaca
3061	gaagatagag	tatgagtcca	ggataaagag	gtaaggaaaa	tctggaggtc	gtaactacca
3121	gagagggctc	agtagcctcc	tactgtggga	caggatcaca	ctgaggggtga	catatgctgg
3181	tcccaaagtc	aaagaacac	aagtttctgc	catcatttat	gagctttgtg	actgtgtgca
3241	agttagcttc	atctctgtga	gctttgattc	cctaagttaa	acaatttaaa	tactagtagt
3301	atctacctca	aaagcacata	agaagtgtat	gaacatttcc	ctggtacaga	ataggctcaa
3361	taatgtcatc	tttgattatt	attaaataga	tagatttgca	ttagagggct	ggaaggagag
3421	gggctgtgag	gagatggaca	gagcattagg	agcctgttag	ttttcactaa	caagaaaagg
3481	atgaaactag	ggtaaaaaaa	gtagaagtaa	atagacctcc	atgtttttat	ctttcaatca
3541	ttgaatgttg	agagagtgcc	ttctatctgc	caggctctgt	tccagacgct	gaggattcag

FIGURE 2-B

3601	atgagctgag	agaggccata	agagccaggt	gacatagggg	attgacaggg	tgattttcag
3661	cctttgactt	ttactctgag	atagaaatcc	atggaggttt	ttgagaagag	gggtgacgtg
3721	aagtatgttc	acatgaataa	ggaagactgt	agcctaaatg	aggaaaaaag	aatatgattt
3781	Rtaaagaagc	aattatgcta	aaacctaatt	atatcaatgt	gcatcttctc	ataaaatgat
3841	caaagtagga	gtagctcctc	tagtgttctc	agtcccagtt	tcaggctgtg	tgatttggac
3901	aacccttcct	ccatggtgtg	ctaggatcct	cagtYggttg	ttaaagtggc	tttaatttac
3961	cttaatatgt	ttcctatcca	ttcatcaatt	atcagacaaa	aagataacgt	actttcagaa
4021	gctatggcaa	aataaatatt	aaaaaatact	acttataaat	gagattgaaa	aattacttcc
4081	ttggaaagta	tttttttgg	aagtttcact	gagtgggaatt	gtggtttgaa	tttttctata
4141	taatggagag	tgacaggaga	tttaagaaaa	aatataggg	cattatctta	aaagggttact
4201	cttctttctg	aatgtagttt	ttggaaccac	tatgtattgg	aattctgaat	tactggccaat
4261	ccatgatgat	aaattagcat	ttcacactgg	gaagcttata	ttttgaggca	aggggtcaca
4321	ctttaaatgt	agtagaaaaa	gaaaaaagtt	atcactatga	atttgcagat	ggatacatte
4381	atttctgagg	atgttgctga	tgcatatatg	ttctgagatc	tacggtatat	ttcagagatt
4441	ttgataaact	gatagaactt	cccaatagag	gtcatcttaa	tgggccattt	cagtgtcaca
4501	ttcttaccct	cRtgacaggc	caaggggagag	ctctgcagta	gggtggagg	tgggggaccg
4561	ctcgtggcct	agccatgaaa	ttatagaaag	ttactgttc	tggctaaatt	ttgatcattt
4621	ctgttttagag	ttattcat	ttctttaaat	tcctttataa	ctttacccca	caagcattga
4681	aggtagatgg	atggatagat	aggtaggtag	gtaaataggt	aggtaggtag	gtaggtagat
4741	gatagataga	tagatagatg	atagatagat	agatagagag	atagataata	gatagatgat
4801	agatagatag	agatagatag	atagatagat	agatagatag	atagataata	ttttactttg
4861	tttaattatc	aataagatat	atgtttaaat	cattttataac	tttaccocac	aagtatttgag
4921	ggtggatgga	tggataggta	ggtaggtaaa	taggtaggga	ggtaggtaga	cagatagata
4981	atatttttact	tttaattatca	gtcagtgaga	tatatgggtt	ttagttttga	aacatatatt
5041	ctttttccct	ctccaaattg	gtttctaaact	ttttcttttc	ttattttttt	ttatgtttta
5101	ttttttgaca	gagtctcact	ctgttgccca	cgctggagag	tgcatgtatg	caatcttggc
5161	tcactgcaac	ctctgcctcc	caagttgaag	cgattctcct	gcctcagcct	cctgagtagc
5221	ttggattaca	gatgcacg	atcatgactg	gataattttt	tttttcttg	tggagacagg
5281	ggttttacc	tggtggccag	gcagctcttg	agctcttgac	ctcaaatgat	ccaccacact
5341	cggcctccca	aagtgtctgg	gttacaggca	taagccatgg	cactcagcta	gtttctaaca
5401	attttcttag	gaaatattgt	attgtgggtca	gagaagttca	tctggatgat	attaattatt
5461	tgtcttatta	aaactattcc	cttatctacg	gattgggatt	ctatatatga	ccaagagatc
5521	aagtctgtta	atcaggctat	tcaaagcttc	tgtatttctt	ctcattttta	tcagctatat
5581	caataatttt	tgagaaagat	actttaaaaat	ttcctatcag	tattctgagt	ttatcagttt
5641	ctttttataa	ttttgtcata	ttttatattg	aacaatttga	ggctctacta	ctaggtgaat
5701	agaagtttgg	agttgttcat	atctccctga	agaattgatc	cttttatcat	taatttagtc
5761	ctatttttca	ttgtaataat	gctttttacc	tgaaactcta	ttttttctga	tattaatatt
5821	gtcctaccat	cttcctttga	ttagttaact	cctgatatgt	cttttctttt	atttaacttt
5881	caaactttgt	ttgatgattt	gatctaacaa	cttacatctt	tacaattctg	gaatattttt
5941	ttcatcatct	ttttgtctat	ttcatcttcc	caccttctca	attttctctt	tccagacccc
6001	ttattaagct	atgtttgacc	ttgttaactt	atcctctgtc	ttgtttaaact	tcttttttcc
6061	atattaaatt	tctataatta	tcatttttga	ggcattctag	gtaacttttc	tcagacctgt
6121	ttttagctt	actaatactc	tgatgagcta	attcaattct	gatacttccc	caggccccatg
6181	attggagatt	ttgtagtctc	ttcttcataa	aaacagttaa	tgttccaagc	tctcagttaa
6241	attacttgta	gttttctgcc	tgccataatac	tggaggcctc	accttctgtc	cccatgtgaa
6301	aaagaaaaac	ctagacccaa	gctctgtggc	ctctatccaa	gactaatatc	cttcgtgtgc
6361	ttctacttat	tgttctatat	ttcggtttct	tccttggttc	tgatggctga	agctgctggt
6421	ttatttttaac	cttgatgatg	tatttttaaaa	atatatttct	taaaactttt	ccagcacttt
6481	tatatgtttg	cattggggagg	gatttcttct	gtattcaact	tagtcctttt	cattcctgga
6541	agtttccac	aagcacctga	tacatacaaa	tgtgtcaata	tattgttttg	taagggttgt
6601	ccttctcagt	attttaattt	caatttcttc	caaaattttg	gctctaaaaa	agctttggaa
6661	aacaaagaga	atatatttga	gaataattct	gagtggaaac	cagcatagta	ccaacttttc
6721	atgtaaaaaa	gtggtcatat	gttttaaaata	gccttctaaa	tgatgtagga	ttacaaaaata
6781	tgaagtatta	tttttttaaaa	ttctagtgtg	ttacaaagag	aaggaagatt	aattttttaag
6841	tgttcttatt	atctggatga	aatatcaaca	tgtggggatc	aaatttttca	aagcagaaac
6901	ataattgaga	ttttaattta	aaaactgtta	ttaaaataat	cagatatctg	agagctacac
6961	atgcattaac	ctttcaaatt	tcagtgggtat	ggtaagtttg	aatgagtccc	atgggacttt
7021	tgctcagaat	aggagaaatt	aaaaagtcag	ccgaggccaa	gatacatctt	aaataaagat
7081	gtaactttaa	tacccctctt	ttgaataata	tatgtatatg	atttggatct	tagtggttat
7141	ggagaaaaaca	gtctctgttt	ttaaaaacgt	tactgcgaat	tctacaatta	tccaaaagct
7201	atacaaaaaca	actatcaatt	tatagagata	taaaataacct	atgccagag	ctatatattaat
7261	aacttgggaa	gcagtggagaa	ttggggatgg	aaaggaatgg	gctttat	tacaaaatat
7321	gagatgcagt	gcttattttaa	cacatgtgat	ctttacctct	cgtatcaatg	taagctcatt

FIGURE 2-C

7381	actttgggta	ctctttttata	agatgggact	ctatatgctg	ccaaaaaccc	cattcttagc
7441	agtgaactta	accaacaatg	acatttttct	atcactattt	ttccttttat	agaaggcaaa
7501	tgttattgcc	ctcttttttt	tttttttttg	ttaactatca	gacttttctg	ctgcatttag
7561	tgtagtgaac	ttYacaattt	aatgtccagg	aagctttctg	cctcgtctgc	ccggcatgtg
7621	ttactggcct	atctgtgctg	gcattcactt	atttactatt	aaatgacagc	tgcttccaag
7681	agaggccttg	ggacctaata	actaagggtg	cagtaaatca	tcttagcaaa	cagtaaaata
7741	atacaacaaa	attacatcct	ttaaatcatt	gaaagggcct	tattccaatt	tcctaagcat
7801	cataaagagt	ttagaaaata	tttgtatgtc	tcttgcatth	caagtgaata	aatcacttt
7861	atctcttact	cttgcgctccc	cacccccac	cccccccaac	atcctttgta	gcttgaaca
7921	gcgaaacttg	actttggaaa	cagaaatgat	gagcctccat	gatgaactgg	atcaggagag
7981	gaaaaagttc	acaatgatag	aaataaaaaat	gcgaaatgcc	gagcgagcaa	aagaagatgc
8041	cgagaaaaga	aatgacatgc	tacagaaaaga	aatggagcag	tttttttcca	cgtttggaga
8101	actgcacagt	gaacccagga	gaaccgagag	aggaaacaca	atatggattc	agtgagcctg
8161	ctttcgctg	ctgtctctga	tggtctctgg	aaggactcca	gggattctgg	tgggatatga
8221	cttagaacca	ggtggctggt	cacctggatg	tacagaagtc	taactgggtg	aggaatatca
8281	tttacagaca	ttaaacatcc	atatctgcaa	tgtgtaccaa	agttatatca	tgccccata
8341	tgctactgtc	aagtgttaca	actggatatg	tgtatataga	gtagtttttc	aaaagtaaac
8401	taaaaatgag	aagcatatth	caagaattat	tttattgcaa	gtcttgtatt	taaatgttaa
8461	atcaatWtgt	tgttgcaatt	tagcttgctt	tcaagcttca	ccccttgcac	ttaacataag
8521	ctatttttgg	cattgtgtta	tcacggcctt	attttataga	tcaatatttt	tatttccctt
8581	ttttgctgag	gaaatgaaga	taagcaaaaa	tataaatata	tataaaata	tatgagttat
8641	taaaatcaga	agaatactth	gtggctgtgc	tgtttgtgcc	aatagactth	gtcatgacca
8701	aaaagagaaa	tgtaaatagt	tttataaaat	acagtcgaat	caccaggaac	ctttgagctg
8761	cttttaaaat	tcttccctg	gcaccactca	gttttgctth	tgcgaggcga	ttgacatag
8821	gaactttgag	actccatgag	aaagtccctt	tctgaggccc	actgtctacc	ttgccagatc
8881	ctcagtgcgt	atcgccaatg	caggatgtct	cttagaaaag	aaaaaatggt	aaagaatggc
8941	atttaacgat	tcaggctttg	aattactctg	tccctctgga	ccgaatctct	ttactgctg
9001	Satagtttta	gaggaattct	cctgctactt	aggtactggg	aaacaatgct	tgctaaacca
9061	tgccacgtg	agcacctgtc	tccactcaa	acctctccca	tctcccaaca	actgcactth
9121	agaataccag	cagtgaatg	gtattactgt	ttccctctga	gtgaaactgc	tagagtatat
9181	gtcacgtagt	gacatttttt	tctcactcag	gctattgcca	tctgggattc	tctccctact
9241	acagctggca	aagttggttt	gcagcaagaa	gatagtggga	ggggggccagg	ctgcaggaga
9301	aggagaaaaag	tttagaagaa	acaaaccatt	ttgcttctaa	ttttgacagt	atcactttcc
9361	tgttaaaaca	tacaataatt	ttaaaagggtg	aatgcctaaa	gttccaattt	tagcaaatat
9421	gggaacctca	gcaatgctaa	ttttctagaa	aaacccaggg	ctctttggag	ctagagtttt
9481	gggagaacag	ttcttcacaa	taaggcaatg	gttttgagag	gccaggcaaa	taactttctt
9541	caccgtagaa	caaaaagtta	caaaaggcat	aatcggaat	agagactaca	tacttgagtt
9601	tatgggggtt	gtgttggttg	aaggttcaat	gcttgcatgt	gtttatttat	ttcaagagg
9661	gaaagtggtc	tgtactgctt	tcaccttgct	cactgtcttg	ctttattttt	ttactctccc
9721	actgagcaag	cRtctgtggt	cctatgggtat	caaccagtat	ctttatagca	ataattttct
9781	taattccctt	ttctctctct	ttccaattat	ttaccagtt	acttccacct	ggacatacga
9841	taggaaattc	aaactcaaaa	tatgaaatt	gatcttaata	actctccctt	catatctttt
9901	cacctatttc	cagtccttat	catagttgat	aaaaacctca	gactcatcca	gaaagctata
9961	tgaTgcacta	gtaaaaaaa	caaagatatt	caaactgctt	gggttcaaat	ggtatacaat
10021	ttgccagctg	ttactgaacc	ttctatgcat	aacttttttt	ttcctctgtg	caattggaat
10081	aataaaaaata	ctactcccat	agagttgtta	tgtgggtctta	atgagatagc	ttgggttagg
10141	ctgagcacag	ctgctagttag	aatccaaaaa	ggggccaggc	atggtcgctc	acgcctgtaa
10201	tcccagcact	ttgggaggcc	gaggcgggcg	gatcacgagg	tcaggagact	cagaccatcc
10261	tggttaacac	agtgaacccc	tgtctctact	aaaaaaaaat	atataatat	atataataca
10321	aaaattagcc	gggtgtggtg	gtgggcgcct	gtagtcccag	ctactcggga	ggctgaggca
10381	ggagaatggc	gtgaacccgg	gaggcagagt	ttgcagttag	ccaagatcaa	gccactgcac
10441	tccagcagcc	tgggcgacag	agcgagactc	cgtctaaaaa	aaaaaaaaaa	aaaaaaaaaa
10501	gactccataa	atgttaacgc	atatthtctt	tctttctttc	tttctttttt	tttgtggggg
10561	gacagtctca	ctgtctcctt	ctgtcaccca	gtctggagtg	cagtggcatg	atcacgggtc
10621	actgcagcct	tgacctccct	aggttcaggt	gatcctccca	cctcagcctc	ccgagttagt
10681	gggactgcag	gcatacgcca	ccatgcccag	ctaatttttg	tattttcttt	tgtagagaca
10741	gggtttcgcc	atattgccc	ggctgtgtct	aaacacctgg	gctgaagctg	tctgccctcc
10801	tcagcctccc	aaaagttatg	caagatgcat	agcaatgacg	ggtcacttaa	ttgtctggg
10861	actacaagcg	tgagccaccg	cgcccagcca	actcatattt	ttcttctcta	cccacttctt
10921	cactcataaa	tttgctcacc	agctaattcta	ttccactcat	ctttgccttt	ttaatctgct
10981	ctcttttaac	acttttccct	taccttttga	tgaaggcatc	ctacccagcg	cgttttgttc
11041	cagcatctct	cctgtacttt	tgtcctttgc	aggctgcctt	ttcgaaatta	ttcatctgac
11101	catagcttga	tcttgctcat	tacatatgat	gactgtcact	tgcccaggac	aaagcccttc

FIGURE 2-D

11161	acatagtgtga	aaaggtccta	ctgccagttt	cattcttgtc	tcctaccact	tcccaccaca
11221	cctgccatgc	catttcatac	ctctagaact	ttccacttgc	tattgttgtg	tccttcttgc
11281	ttgccttctt	tctagctggc	atgctccaaa	catcctttaa	gagccaaatc	aatgtcagtt
11341	tcctcatgaa	gcttcccaga	atctcaaadc	agtgttagtt	gctttttgtg	ccccattcgc
11401	cattatctct	ttctgtcttt	cccacatctg	attatcttct	ttatcaaata	agaagcaatt
11461	taggagggag	agtgatgaag	tggaaatagc	agaaaattga	gagccattca	aacctagatc
11521	tgcctctcaa	catgccttat	gcaagatata	tggcaatgcc	aggtaacttg	acttgtctga
11581	tctcatctac	aaggtggaga	taataactcc	tacaaagtag	ggatgttgcc	gtgggttaatg
11641	gtggatgtga	atgtgcttat	cccgggtgct	gtcactttgc	tccactgata	actctattga
11701	taaatggagc	ttcttaaggg	gccaaagattg	tatcttcttg	ctgttaaadc	cctccatgcc
11761	ttatgccaaa	gagaatgtca	gcacagtga	tttgcaagta	tttttgggaa	tgcaaatata
11821	cacacacaca	cacacacaca	caggtgtgtt	tgtggcctgt	gatatttgag	ggatgatatt
11881	atcaatttta	attgtcaatt	tcagtgtatga	tggcactaat	caatggatac	catgagcagc
11941	atgttcatct	gggtttccgt	tagtcaaata	aaaagcctag	acaatattaa	gtacaattaa
12001	cataagaata	aattggaaat	caataaggat	acaaagtagt	taggtagtagt	caagatttca
12061	tttgcattac	cctgtatatg	cctctttaaa	actatttagg	taattaaaaat	gaatcttaag
12121	ttataaactc	gagaaaggat	ttgctttcag	atgtggggcc	tactgtgtta	gcctcactat
12181	tcaaaactaga	tgtctgggta	tcctttggag	aacatttaag	gtagaattgc	ctatgatgtc
12241	agctctactg	aaacatgatt	ttatttatatg	taacattatg	aaatgactaa	aatctccagc
12301	tggagtttaa	gtaatcattc	ccattgattc	tcaagctggg	atattcttca	aaaaatcatt
12361	cccaggctgg	gtagtttata	ttattgatata	aattatgaca	ccttgaaaat	tcaggagagc
12421	attaaataat	gtaatgcttg	ccgcaaacc	cagtgttctt	tacactgcag	agctgcactc
12481	tgattagagt	accatacgca	tgagttttgg	aatctacgac	caggtgtcaa	accagctctt
12541	gccacctcat	agctttatga	accataattt	tgtaatatat	ataagcctaa	atttgttttt
12601	ttctggaagt	agagttaata	gttcctccct	tatcataatt	ttatgaggaa	tgtagtacaa
12661	taggtgaagg	gattaacata	gtgcctggaa	catagtaagt	gctcactaaa	tggaaactat
12721	cagccctcaa	attatttctg	ttgaaagagt	gtttcagctt	ctaaggaacg	tagcaaggtt
12781	ctggactcag	ggatatgacc	agcattaaaa	gtatcatgat	caccagcaca	ggatataatt
12841	atatcttggg	ctcagagact	cttaagttta	tccgtgccca	gataatctgc	cagggattga
12901	tggcaaggaa	agtaacccaa	accactcttt	ctttctgaga	taatacaatt	acatccatga
12961	tctgaaaaatc	atgtctaaac	aactacgtgt	aactgtcctt	catcaactct	atccatgtct
13021	acactaaaga	tgatgttggg	tgtaaagggt	attggataaa	atacaatgaa	tgtttcttag
13081	ggctatcatg	aataaaactga	gggctgtgga	ctaggtcctc	tggggtacat	aaacttacag
13141	ttattgccat	gttatatgat	gtgctgtgga	agtaactaaa	gagaccataa	aggtgaagct
13201	caggagagca	ctgcagagcc	gtgactttgg	tgtgagtcct	aaagaccagt	aggaagtcac
13261	cagacagagc	tgcagttttg	gtaagggtgg	ttcctagccc	atggaaacag	atggcaaatg
13321	tgccttcagg	gtagacccta	gggagtcttt	tcaataaaaat	aaacatgacc	taccaagttc
13381	atgccatcaa	gatggcattg	tgcctaacac	cttagcagca	cgatcatgaga	cctgaaaaca
13441	cacttagtagc	ccacgcggct	tctactctct	tattcaRaga	aagcatccag	agctggaaac
13501	attttgcctt	gtttgaaact	acaaactaca	ggaaaggagt	gctggaactg	tggctcccaa
13561	aggctctgtt	cattattctc	tttatagctt	tcttaactgc	acaagtgggg	aatgagttga
13621	aagttagaac	tgcccagctt	aaggccctct	tgtctggaag	tgacttggag	aactaacagt
13681	tccccaggca	gctaaaatct	actgaacctt	ctgtagatct	ttcagtaaaa	agtttagctg
13741	atgaaaagtg	tgggttttaa	agcaccattt	gtggctcagg	tccaggKttg	aatgatactc
13801	cttatttatg	aacttctgta	tagctgctgt	ctgtatggcc	tcttgaagga	taagccacag
13861	tgaggccagc	cttttcttaa	atagggaatg	agggcaacag	gaSaacagtg	aattgttagg
13921	gggcaaacca	aattggcatc	attttctttg	agcaaaactg	tctcttactt	ctgggggagg
13981	ccccagcat	cccacctgtt	cttgccaata	gaggatgtcc	atcccaactc	tctcttctcc
14041	acacacccat	tccctgttcc	ctacccctc	atgattcact	agattaatta	tgcaccacac
14101	tgaagtgatc	cccagggtca	tgccatcaga	ccctcatcgc	tggttacctg	ttgccaaaat
14161	agtccaagtt	cccattgccat	ttttcttca	tctatttgc	tatccccata	ttgccagtg
14221	tattctctca	tttgcttcta	tctccaatgg	cctccccctg	cctaggactt	ttccattatc
14281	ccctctagat	cttacaatgc	catcacctc	ccctatgtcc	tcttctctga	atcatgggtg
14341	cctcctgaag	acacMatctt	ccctgcagcc	ctctcaagcc	tagctatctt	cctctctaca
14401	acctgcgtat	cattggcctg	aaggggagac	atcttgcttt	gctatttgca	gctactttca
14461	gactctttaa	ccttcttctc	ctctaattgac	cttcttaca	gcacatgtct	ccttactatt
14521	gactgaatat	tctagcacct	aacccaactca	ccctccccac	tcataactca	ttcaccatct
14581	tggccactca	gtcccttgac	gacttttgaa	aatcttgctt	tgccgctgcc	tgaacatcag
14641	ccaccacact	catggttaca	ctgcgtactg	tgtcatgact	aatcactggc	atcgccaaca
14701	gttccatttc	aagcatccca	cgctgtgggc	atcaacttct	ctctctctag	tcaactccct
14761	tagcaccatc	actccaaatt	ggtaagtttt	cagcgactat	catcccccat	ttcattactt
14821	ccctccttga	ccagcttagc	ttctatgggt	ccttctcata	attattctct	tgcccccat
14881	tccaaatccc	attatgtact	ctccagcac	tgtactactc	ttttgagaat	taaaaagaaa

FIGURE 2-E

14941	caaattgcaa	ctctagtaat	tttttcttac	tcttaacctg	tgcctaaaaa	aactaaacat
15001	gactggagaa	caaaagacca	ccaagttgac	ctgtgttcct	ttgtatttat	atKaatatgg
15061	ctcacatggt	tttcatcact	gtccagtaac	ttattgtcac	agttttccaag	gtcaatttca
15121	cactttctcaa	actttccaaa	actcttcatt	gtctactgac	aaccttactt	ctatctttac
15181	tgagacaaca	aaaaaaaaaa	tcagatgagt	atgtacttat	gccccatcacg	tcaccgtatt
15241	cccaaactac	ctgcctctgt	gcacaccacc	tcactgcctg	ctgcagttac	tgtccagggc
15301	cagcgcctct	gcccattgtac	tggagcctgt	ccctccaccc	ttttcaagca	tgttactcta
15361	tcaaatataat	atccccttct	cttttgcatt	atcagttttg	ctatctctct	gttggcccca
15421	ccagcactat	tacccatgct	atattagctt	ttaaaaaWt	ctctcaatct	cacatttatc
15481	tccaacgttt	acatcattct	tttgcctgcac	ttttagtaaaa	aattttttga	attttctgta
15541	tctattttcta	cttccttact	tcccatgttt	tcttgaactc	actcgagtta	ctcttttctt
15601	gtcctaact	ggatagaaac	tgctctcatt	gggggtcatcg	atgaccttca	aacagattta
15661	gtccaactgt	gaatcttcag	ttcccatttt	actcagcctc	tcaataacaa	tccgcccctg
15721	cccatctctct	cacttttgaa	acaccttctt	tacttggctt	ccaggacacg	acactcctgg
15781	ttttccctct	acctcactga	acattctgga	ataccctcct	gttttctgag	gtctgtatgt
15841	tggagtggaga	ggcatctcca	tctttgtttt	tctcttcttt	aactacactg	tcttttggtg
15901	ggctcataca	ggctcttggc	ttttaataact	acttataaac	tgattactct	cagatttctg
15961	tttcagctca	ccctcttctt	tgaactccag	cttataagac	actcctgcta	ctccacgtgg
16021	attttttttt	tttttctttt	tttttttgag	atagagtctc	actctgtcac	ccaggctgga
16081	gtgcagtggc	ttgatatcgg	ctcactgcaa	ccccgcctc	tccgggttcaa	acaatttctc
16141	tgccctcagcc	tgagttagctg	ggactacagg	cacatgccac	cacacccaga	taattttttg
16201	tatttttagt	aaagatgggg	tttccccatg	ttagccagga	tagtctcgat	ctcctgacct
16261	catgatctgc	ctgccttggc	ctcccaaagt	tctgggatta	caggcgtgag	ccaccgtgcc
16321	cggcctccac	ttggatatct	aataaacatc	tccaactgat	attccaaaaa	caaacatgat
16381	tttctcccca	atgtttttct	aaccctattgt	tcatcatctc	agtcaactgt	accatcattt
16441	acttcatggt	ttaggtataaa	gaatctagag	ccatttctga	tctcttgctt	ttatatcaca
16501	atatcaatct	atcagcaaat	cttctcagct	ctgccttcac	aataggtcca	gaattcaaat
16561	ccttctcacc	atctcctttt	cctagtctaa	gccccatcat	gtctttctg	attaatgttt
16621	tatcctacga	tggatttttt	tgtccccatt	cttatctttc	ttcctaagag	tctcttttac
16681	tcagtagcca	aaggaatcct	tttaaaaaga	aaatttagct	tatatcattt	cctttttcaa
16741	atctaaccac	catcttccca	tatttagaat	caaactctcaa	gatcttgcca	tgtctgacc
16801	ctgcttctc	tctccaattt	catttacaat	cccatttact	cttgttcaat	ctgctttatc
16861	cacaagactc	tttgccccctc	cttgtctata	taaacaagct	ctccctccaa	agcctgcccc
16921	tgctttctct	tcagagtctg	aaatgccctt	ctccgtgtca	atagctcact	ctcacttcag
16981	tcagggtctct	gagcacttat	ccccctcttct	gagaggcttg	ccctgaccac	cttgtctaaa
17041	atagcatccc	tttccacact	tactttttaa	cctgctttgt	ggtctctgta	cttacctcta
17101	tctgacttct	ccactagaat	gcagaccatg	tgaaggcaga	tttgcctgact	tcatcacatc
17161	aactatgtgt	acctagaaca	gtccttggat	ggttgacgtg	cttgataaat	aaatatttgt
17221	tgcatgaatg	aatgagtga	tatttagagc	tctatgtcaa	atttctgggt	cagatgttca
17281	gggatgtttct	cagtttgacc	ttttaataaa	aaaaaacaat	aaatgaccaa	attctacttt
17341	aagtttatttt	agggtttccaa	cagtcaccca	tagactgaac	aaactccgaa	gatttggctt
17401	catgtaagaa	tgtcactgca	aagaagcttc	agtacccatt	gtgatcatcat	ttgctaattt
17461	ggagattgtg	atgccaaaag	tataagcccc	atgctcagtc	agcatctagg	tccaatagct
17521	ctcagaggaa	ccatacatca	aagcaaacct	tctgcaatgc	ggaaaagaac	atccatgcat
17581	ttttaaaatg	aatttttaaat	tttaataaat	ttttaaaagt	ggtttcatct	cttgtaatgg
17641	aaaatattca	aaattctcat	gctgattcat	gaagtatact	tatataatta	gacaaaataa
17701	gaacattgaa	agaagcagac	tccttgtttc	atcgctttta	gcaataataa	aaaatggact
17761	cRtgcaagtc	acaccactaa	tttaaataca	ttttgtaaaa	agatagcaaa	taaatgaaat
17821	aaaaatattt	gctttagtgt	ttttaaacaa	agatttatta	actctgaatt	ttttagggtta
17881	aggaccatgc	aatatataatc	tcctacaccg	aagtgtccaa	gaaatgtttt	tggagtaaat
17941	taatgaactg	ctttagaatg	ttgctcagaa	attaagctag	aaattcagag	caatattctc
18001	agggtttgat	ttacaccaa	tccaagttcg	caatgtatta	acatgaagga	ataggccatt
18061	gctttctgaa	aaccttcctt	ttataaaaaga	aatactttta	tattatgaat	tctcttggtc
18121	tgtgtaaaat	attatttgca	ttataaaaat	tgattttttg	gtataattgt	tcataggcaa
18181	tattttcacc	aggatgggtt	cacaagtgtt	aatggaaggc	gaattatgtg	tgggacagtc
18241	ttctagggaa	tatgtgaggg	gtttttaaga	tggataacat	tttgtacctg	cttttgagtt
18301	gcaaattgatc	tggactgttg	gttaaacatc	gcagacaaga	tcagggtgaag	aacattacta
18361	gaagttcagt	gattaagaaa	taaagccacg	tacccacacg	agtgaatttt	gaattcctta
18421	aattccctca	aattattttta	tgttggaattt	tacaccagga	taggaatgtc	tttaaaagta
18481	agaaatattt	gacataaggt	agaaaatttc	aaaggagtgt	ttgacttgtt	gctggatgtg
18541	tcaccacatt	tcatgtgtct	gagaaatata	aatttctaca	gcacattttt	agtgccctta
18601	acagactaca	atgatgtaaa	tggttgaaca	gttgaaattt	agtctggaac	tgggacagat
18661	gacttgccac	atagagtggc	tcccaacata	aagtgtatctg	tgatggcagg	actttcagcg

FIGURE 2-F

18721	tgtttcaacta	ttagcatgtg	tcatccaagc	atgcctttca	acatctgtgg	agaaaagaca
18781	tgttacaaat	acaaaacacc	accatgatga	attgggaatg	tcaaaaacct	ctgccttggc
18841	tgtgatccag	tggtgttatt	ggcaagtaga	ttcatccttc	taggttggtt	gctccataag
18901	taatcttcaa	gaaaagcaag	tccaacaccc	tttttctcc	ttactgtgaa	cttggtcaaa
18961	attaccaaat	gtttggtaac	catttatggg	atcaggaatg	caccaataac	tccttctgac
19021	tctttaagag	caatcatctt	gtggaatgca	atttcccttc	ttattattgt	gggtatTTTT
19081	aggtagcctat	gcttgacctt	ttttaaagag	agtaaggatc	tgtgatttaa	actaggtag
19141	aagctgttcc	agagataaca	aaaagctggt	gctttctata	ttccaacagg	aactaggtaa
19201	aacgataaat	gtgataactc	aaaataatgt	gtatgtttat	cttccaggct	ttctaatagt
19261	taattgggta	aataaaacat	tatttacaga	aatagaagag	ccactcctca	actgttcaaa
19321	cactgcaaag	taaactaatg	caagtgcagt	gacctcttca	tccagccaca	aaatcatata
19381	tatttttaat	tctccaagga	gtttgagata	gtaaagtggg	atatcatgtg	gctaaacaaa
19441	ggcttttacc	ttttctcttg	gaaaatagtt	aaaatgaata	gRaactctgat	aattaatctg
19501	ggaaatttaa	ccctgctcta	cttacctaata	gcccccccaa	aagatgatct	tttttttctt
19561	cattgatttt	ataccttaaa	aagaaattac	tgaattgcag	atatacaact	agtatctaca
19621	gacagaaatg	Maggtcagtt	ttagaagaaa	ccagtgtcaa	atgaaaacac	agatttctac
19681	atggtcacat	tcatatcaca	cactcttgac	ccaaggtgag	aaagtaggtc	attccttatt
19741	tcttattttat	tccctggcac	aatcagacca	cactacaagt	ttcttttacc	agttgccaaa
19801	atgaaatcat	gacacccttc	agagctactg	tcgttacatg	caactcaaga	caacgagcag
19861	catcataacc	attgtcaaca	ggcaaatccc	aacaatgtct	gggtttggat	ttggttttat
19921	gttgagagaa	gcagatttcc	tctgatttta	ataatccata	agaaacagaa	atcataatat
19981	attgactcca	tattaccta	aaagagtcaa	aagaagcaga	agttctcccc	cgattcatcc
20041	tcttgttcca	cagacatttt	gaaaataaaa	gaagacaaaa	tagaaaggaa	agggtgtgag
20101	aaagaacaca	gaaatgactt	gaacgatttt	aaatccttat	taagcatcac	tgaggttga
20161	ttttacccat	tagactgact	gaatttagtt	ctcactgctc	agaccttgca	aagaaactgg
20221	acgtacatgg	ttttgccttc	cagggttgat	ctagaactgt	aagggtgcac	gtgaatgtgg
20281	gtatgcatgt	gtgtgtgctt	taagtccatt	ttataaacac	tgacacaaga	caattctcat
20341	cattggtaat	agtctttgga	gtccaatcat	gcagaaaaac	aggcaggtgc	aagttaggtc
20401	tcatttgcaag	atggacatgg	caaggtgaac	agataatcct	acataaggat	tgggagattt
20461	gtgtccatta	gaatatactg	gccattgggtc	ccacataagt	aaagttacat	atacaagatt
20521	ctatatataa	acagaggccc	ctcacttcag	tttggtgac	caaagaaaca	ggtcaaagtg
20581	agccattttc	agatagttaa	aggactaagt	accaaaagaa	ataacaaaaa	cttatcctct
20641	aatcacaaa	aaaatagcta	aaataactat	ttacattgca	acttttttgt	tgtttttaca
20701	gagaggagtt	tccttgcttg	gcttaatgat	atctgtggaa	aatgttgaac	tcttataatt
20761	aaaatgtgtg	tgggggattg	tgagtgggga	gttgggttcc	tctttggatg	caaagtggct
20821	aaagtaaaaa	atttctagag	caattttact	cctctttctg	agctgtagaa	gaataacttt
20881	ttcagcaaa	ctggctaata	acatgcctta	cagagcataa	tgcacttaag	atgtggcttt
20941	tcatatgtta	agagattcaa	atcgaatag	attttgtata	atttagggtt	tgcaatgaat
21001	atttacaatt	ttaaaacaaa	tcaagtttgc	ttattttttt	ttccttgaca	ggacataaaa
21061	ggttttacat	atttttatct	attttttact	agttccattt	actaaggcca	actttcagtt
21121	ttaccagtca	gctgctatca	gtgtctttag	ataatatttt	tctgataaca	gattgaaaaa
21181	actatcgagc	ttcttaaccc	tcaattaaat	agcttactcc	aattggtggg	aactggccag
21241	gctctggtcc	aactgttggg	tacattccta	caaaaactcag	tcacagatt	cttgaagatg
21301	aaaggttatt	atcagttttt	attccacaag	aagaaattcc	gttgtaaggc	tagtgtattc
21361	ctatttaaaa	ttgaacacgc	tgaccacaaa	aacacatata	aaaatagtaa	agacatatta
21421	atagtaaagt	ggtggcggtt	ttgccaaact	cttgacgacg	tttaattttc	cctgcacatg
21481	agtacacagc	catccttcct	acaaaatact	gcaaactatt	ttattaagga	tcactgcaaa
21541	ccaactgccc	caaaggaagc	ctaacagaag	gttaggtctc	tcagagtgcc	aacttcatgt
21601	tccaaaatga	gccccaaccc	caggtagaac	cttcaacttt	tttcaggaat	attgtccagg
21661	tgacttgaca	cttgccctacc	ggaaaagtgg	ggatgttctt	gggaaataac	agggtgactat
21721	ttaagaaata	tttgggggtg	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtta
21781	agacagacaa	gtgaatgcag	aacatattat	attctgtgaa	tttgataata	tcacaccttc
21841	ctagacatat	tataggaaa	cagacctagt	gggcaaaagga	ctgggggggt	tttacagtgg
21901	tgattctctt	tggtgttcca	tcatctgcct	tgctttaatc	acctaataaa	actgatcctg
21961	caaaaattct	ggggggccaaa	tccttaacct	tatttgtaaa	tgatacttat	attcaaggaa
22021	tttgttccat	ttttctcttg	tccataaggg	aaatctggct	aaagctaacc	agctcccaag
22081	agccatgcac	agaagatgta	agactaattg	agctttggga	aggtaactaac	agcgggggag
22141	gggcctgtgc	tagttcttgc	ctggttttac	ctgaggggga	aattcaccac	ttatgcaggt
22201	acgagagata	gcctgtcaag	cactttgaag	atgctggctg	gagacttcct	tctgtcttgt
22261	gatgtcatct	tgcggctgat	gaaattcccc	ttgagactct	ctttaagaca	gcttctgtct
22321	ctccgcactt	aatcccatgt	gggtataaagt	aagggaggggg	agaagccaca	gatatatcaa
22381	gagaaaagta	ccgagaaaaga	aaatcagtaa	agaattagag	atacagagag	gagaagtttt
22441	taaaaaaaaa	aaaaaaaaaac	aggaatatga	aagagagggga	gctcaagtga	ctgaggaggc

FIGURE 2-G

22501	atttttaaca	atcaggttat	ctgcaatatt	aaccagaaaa	aaaatggtag	caaaatagag
22561	aaaatgggcc	atttttattc	caggggacaa	gctgcacaaa	ggaatgttct	tctattttatt
22621	ttaaacaat	gactgctgt	actgaatctg	actgtgtgaa	ataatctcag	aatggcagca
22681	ccactggYat	ggcgatggtg	caggtgggtg	cagttccctg	tggtctctat	tgcttgaaga
22741	gagaaagRaa	gttccctatt	attatattta	aggcagtttt	cagagcactg	gcattcttgt
22801	ttgctctgtt	ttggggatat	tctattttgcc	aatcagttca	cactcatcaa	ccatccactt
22861	cctgtctttc	acttcttcag	gtgaaatatt	accactctag	tgagcaccaa	catggtcaga
22921	gtgcaataaa	ctgtgatgga	tacttcgaag	tgaataagaa	gggaagcctg	attattgctg
22981	agatcacctt	ggtattgcct	tgtacataac	caagatgttt	cacagtgcct	ccttaagtgc
23041	tcaggaaagc	actttcattt	aatttaattt	aagctaaatt	ctggagattt	tgctaaacat
23101	tgacattaat	gcttcatggc	ttttaagaca	aactcatatt	gctaaaaacta	tttggcagca
23161	gtaaaatttat	gggcagagtt	attgctctta	catctactgc	agtacaaaaac	tcagatgatc
23221	agcccttcga	ttgctcatac	ttattaaaaat	aaataaataa	acatgaaaca	tcagccacat
23281	taaggagtca	gggaaactcc	tgaggaaataa	caatgtctct	ggagatgttt	tcaaatgcta
23341	acctgagact	cacactgtgg	tttgggggtt	tcattMttat	tattattatt	ttatttcaga
23401	agagaaaggt	aatattattt	ctcaaaataa	aactttggca	gagtatgaa	caggggaagca
23461	gcccacacat	ggaaaacaca	atccacaatc	tgaaagtagt	ctaggcaggc	tcattttttt
23521	gttgaaaggaa	ttcacatgga	ggcaattctg	ctcagttcca	gagagagatt	cttatcatca
23581	aaagcacaca	caataacctt	gcttcaccac	ctgccacttt	ctccagtggc	ctcttgttgt
23641	gaccagtaat	tgagaaatga	caaatgggta	tagagccaaa	tctctaaaaac	agggacacca
23701	gtgtctccta	gtatctgggt	aataacctcc	tttcagtctt	agtccacacc	acacactacc
23761	ctccagtctc	tcctactctt	tactgtcaca	gaaaagactc	tcagctttta	ttcacacctg
23821	ccttcWgaag	gccaaaccat	tttgtgcctg	aaaactgtta	cccactcSc	ccacacttta
23881	cataagtatc	acatatgttc	tttctacaaa	ttggtatata	ggtgccattt	aatccattca
23941	aatttggaag	ctacatcttc	aagggtctga	gagagctcac	tccccccata	tattccccct
24001	ttacatgttt	tcttataaga	catcacgttt	aatcaattaa	caaactaaac	agcttatata
24061	ctggcaatat	attacagatg	ggttttatgtc	agagtaatag	atcacatgaa	atggaccatg
24121	tggtacccca	gtgcattatg	tcttggtaga	gccYtgagga	cactgacagt	agcatctcta
24181	agtaagtagt	gctgtatgaa	tacagacaca	tgcggtactg	tatctacatc	catctgacta
24241	ggccaaggag	caggtagatg	caagatagag	acacacacat	gctggatggg	gccactgcac
24301	accttgtcat	gccatttaaa	agggcagtta	caggttgccg	gttttgccagc	cattaaaatt
24361	acactttatg	gaaaaggctt	ctctaattgt	gtctgatttg	ctttctgtag	taagcatcat
24421	tggaagaaga	ccaaagcaag	agcaactaga	agttaaatat	acatttgagc	ttagctgcaa
24481	tacagaaccc	tggggaagaa	gcaggctgaa	agattttatt	aattttaggc	ttggattctc
24541	tcccttgctg	ttttcttgat	gttgtgtgtc	tgcatttgtg	tgtgtgtgtg	tgtctgcgtg
24601	tgtgtgtgtt	ccatcacatc	atctcctgaa	gaacgctggg	tttcgcaggc	agggcgttag
24661	tcacctgcaa	caaccagggg	gtcctgccga	ggcttccagg	ctgctgtcag	tgtcagatgc
24721	caggtgtctg	tcggtggaca	tgaggagat	gtcattgaca	gacgaggatg	gagggagact
24781	ctcactgctg	ttcactgctg	cacctgtgct	aagaaaatga	agaccaacat	gactcaatct
24841	agaaccagac	ccactttaat	gccattcagg	attcagggat	gggcaaatac	aatggggat
24901	gtccagtcca	tcaatcattt	ggcaagcctt	tatagagcag	ctgacatagg	ggagcatatc
24961	aaatggtgac	aatcaagaca	tagcaataaa	aagtccttca	tcacaagtta	tcaaatctca
25021	ctctatattt	gaaatcacct	gcaacacttt	ctattaaaaa	acactaatat	ctggctcacat
25081	tgctccccct	gccccactg	cactgcatat	attttaatat	aattggcctt	gggtgaggcc
25141	aaggtatttg	cattttttatt	tattttattt	ttttgagatg	gagtctcgct	ctgtcgccag
25201	gctggagtgc	agcggcacaa	tctcggtcca	ctgcaacctc	tgccctccag	gttcaagcta
25261	ttctcctgcc	tcagcctccc	gagttagctg	gagtacaggt	gcgccaccac	acaccagct
25321	aatttttgta	cttttagtag	agatgaggtt	tcaacatggt	ggccagaatg	gtctcgatct
25381	cttgacctca	tgatccgccc	acctctgcct	cccaaagtgc	tgggattaca	ggcgtgagcc
25441	accacgcccc	gcgggcattt	gcatttttta	aaagctcctc	agagactgta	ttcagccaag
25501	cattgaaagc	ctctggctta	tgaggagac	aaataagcaa	aacccttaa	tgaggccatc
25561	tgagcctggt	tgtttttaat	gcagggagct	tttaaaacaa	acatatgcaa	gggtcctatc
25621	ccagaaatag	aagctgaagt	gaagttcaga	aatctgaatt	acttggggac	cacatctcta
25681	gagaaaggaa	gatataataa	tactattatg	tcatcattaa	tgacacacaa	cttaaaatgc
25741	atatagaaaa	gccagtagga	cataagtagg	actgttgatg	aaagttacaa	aaaaaaaaaa
25801	aatagagaaa	gccttagcac	agcttttgct	tatgagctaa	ctctccagca	ggcttgctta
25861	cctgggatct	ccaaataaga	actccaaatt	attaacttag	attaacttga	aaaaattggt
25921	tatctgttat	gcgggagtat	aaggttgaaa	ccctgagaag	aaacctgccc	aYggtaatca
25981	ctcagtaaag	gctagctgag	ttgccagtag	ctttgagatc	aacaaaagaa	agatgaacca
26041	aaggcattgt	gcgataYa	taaacagag	cacctggaa	acaatccatt	tacttttttt
26101	ctttgtatat	tctttatacc	taagcaatct	gagtggtaac	acacttgctt	tgtgaaatag
26161	ctcgtattta	aaaatctgta	gtatagctcc	ctaatacaat	aagagatgag	gaattctcac
26221	taaaattata	tcttatttga	gcaaatatag	tgtgcaagat	ctatttgggtg	aaaaataata

FIGURE 2-H

26281	actccaaagt	cagttataat	agtgttatca	catagaccta	ataaatcaga	aagacaaaat
26341	aaaactaaat	taaggaaggg	Ragtggttaa	cataatcctt	gctcctggag	tagacatttc
26401	ttgcctgtga	gaaaagtgtg	atgaaaatgt	atcāgttatc	tagagaggac	acaaacacct
26461	aaactaagac	agatcacctg	tatcttccat	gtatttttaa	gttgattttg	ttgactataa
26521	atatatggac	gtactctatg	ggaaatgtga	aaaaatatag	gaaataaaga	taatgatatg
26581	caccgatctt	caaataaaaYg	gtaagaactg	ttaaactttt	catatatttc	ttcccgggtca
26641	ttctttttgc	ctggaagttt	ccctggctcg	gatcttttaa	tatgtatttt	tttgggatct
26701	tgataatttt	aKatacacaga	aagcttatga	atttttcatg	ttctttaaac	tcctaaaaat
26761	acccatcctt	tctaacttta	aatgtctcta	gaaaagggtt	ttaaagtcct	cYgtttattg
26821	tctttctgta	aataattact	ctatcaggac	aatgtataaa	gttataatat	tccataatat
26881	tccaactttg	aatggcttta	atttattcca	actttactta	attatatccc	ccatagctat
26941	ggtagacagc	tggttcattt	cccctctga	taagatttta	tctcctagca	gcacgcctt
27001	ggttccctta	cattgcccac	atgccctgct	ctgtttttca	cccccgattc	tggattaaat
27061	tataccaaYa	tccttcatat	tctttcataa	gttgctaata	atttagtgct	actatgatgg
27121	actcctcaga	attctcttcc	atttatccac	actcttatta	aaagacagag	attaaaaactg
27181	gacacaggac	tctattataa	aggcctgac	aattgtgagc	ctagcagagg	gaaattgctt
27241	ttttcttact	atttgtctgc	tggatgacat	atccctagac	tatggatgcc	tttcaaatta
27301	tgggtctaca	gcttaattta	gttttgactt	gaggtataga	atgatgtcca	tatatttttt
27361	gtaacagctt	tattaagata	taatccacat	atataattaa	gaaatttaaa	tttcatgatt
27421	cagtggtttt	tagtatattc	acaacattgt	gcagccatca	ccacaatcca	ttttgcagca
27481	tttcatcatc	cctaaagaaa	accctgcact	ccattcctca	cctaccctgt	agctctaggc
27541	aatgactcat	ctactttttg	cctctataaa	attgcctggt	ctgaacattt	catgtaaaatg
27601	gaagcatatc	atatgtgatc	atttatgact	ggccactttc	atatagcaga	atgtttttaa
27661	ggcttatcca	tgctgtggca	tgtatctgta	tttcatatct	ttgtatggct	gcataaatatt
27721	ccattgtatg	gatacatcac	attttgttta	tttattagtt	gataggcatt	tgatggatat
27781	ttaggttggt	tcaacttttt	ggctattaca	aataatgctg	ttatgaacat	tcatgcacga
27841	gttttgatg	gacatgtggt	catttctctt	gggtatacac	ctagaagtgg	aattgctggg
27901	gcataagagta	attctagctt	taacacttga	ggaactgaca	aactgtgtcc	ggaattgggt
27961	ggttcttggt	ctcactgact	tcaagattga	agccgaggac	cctcgcggtg	agtgttacag
28021	ctcttaaggt	ggcgctctg	gagtcgtccc	cttctgatgt	tcagatgtgt	tcggagtttc
28081	ttccttctgg	tgggttcgtg	gtctcgctgg	ctcaggagtg	aagctgcaga	ccttcacggt
28141	gagtggttaca	gctcttaagg	cagcgagtct	ggagcttttc	gttctctcca	gtggctcgt
28201	gggtctactg	gggtcaggag	tgaagctgca	gāccttctgt	gtgagtgtta	cagctcataa
28261	aagcagcatg	gacccagagt	gagcagtatg	aacatctact	gcaaagagca	aagaacaaaag
28321	cttccacact	gtggaagggg	acccaagtgg	gttgccaatg	ctggctcggg	cagcctgctt
28381	ttattctctt	atctggcccc	accacactcc	tgctgattgg	tagagccgag	tggcctgttt
28441	tgacagggtg	ctgactgggt	catttacaat	ccctgagcta	gatacaaagg	ttctccacgt
28501	ccccatcaga	ttagatacac	agtatcaaca	caaagggtct	ccaaggcccc	accagagcag
28561	ctagatacac	agtgtggatt	gggtgactca	caaaccctga	gctaaacaca	gggtgctgat
28621	tgggtgtgtt	acaaaccttg	agctagatag	acagtgcga	ttggtatat	tacaatccct
28681	gagctagaca	taaagggttt	ccaaggcccc	accagagcag	ctagatacac	agtgtcgatt
28741	gggtgactca	caaaccctga	gctagacaca	gagtgtgat	tggtatgttt	acaatccctg
28801	agctagacat	aaagggtctc	caaggcccca	ccagagcagc	taaatacaga	gtgtcgattg
28861	gtgcactcac	aaaccttgag	ctaaacacag	gggtgtgact	gggtgattta	caatccctga
28921	gctagacata	aagactctcc	acgtctctac	cagactcagg	agcccagctg	gcttcacctt
28981	gtggatcccc	taccagggct	gcagggtggg	ctgcctgcc	gtcctgcgct	gtgcgctcgc
29041	attcctcagc	ccttgggtgg	tcgctgggac	tggcgcccat	ggagcagggg	gtggtgctcg
29101	tcggggaggc	tcgggctgca	caggagccca	tggagtgggt	gggaggtcca	ggcatggcgg
29161	gctgcaggtc	ctgagccttg	ccccgcagga	aggcagctaa	ggccccgcga	gaaatcgagc
29221	acagcgccgg	tgggcccggc	ctgctggggg	acccagtaca	ccttccgcag	ccactggccc
29281	gggtgctaag	tccctcactg	cccggggcca	gcagggtggg	ctggctgtcc	cgagtggcgg
29341	ggcccgccaa	gcccacgcct	acctgcaact	ccagctggcc	cgcaagcgcc	gcacgcggcc
29401	cgggttcccc	ctcgtgcctc	tccctccaca	cctccctgca	agctgaggga	gtgggctcca
29461	gccttgccca	gcccagaaa	gggctcccac	agtgcagtgg	ggggctgaaa	ggctcctcaa
29521	atgccgccaa	agtaggagcc	caggcagggg	aggtgccgag	agcaagcgag	ggctctgagg
29581	actgccagca	cgctctcacc	tctcaaaact	gttttctaaa	gtgggtgcac	cattttacat
29641	tactaccagc	agtatatgag	gattccaatt	tctctacatc	ctcaccaaca	cttattatct
29701	gtctttttat	ctagccatcc	tagtgtgcat	gaaatgggat	ctcattgtgg	tttgatttgc
29761	atttgcttga	tagctaataa	tgttgagtat	attttttcat	gtgcttgta	gccattagta
29821	tatcttcttt	ggagaaagt	tactcagctc	ctttggccat	tttttaattg	ctttattttc
29881	tttttattat	tgagtgttaa	gctctttagc	tctttcttcc	tttctttctt	gctttctttc
29941	ttctttattt	ctttttttta	ggacagggtc	tcagtcgccc	agcctgtagc	acagtggcat
30001	agtcatgttt	cactgtatcc	tctaactcca	gggtcaggcc	aattctcctg	ccccagcctc

FIGURE 2-I

30061	ccaagtagct	aggactacag	gcacatacca	ccacacctgg	ctaattaaaa	aaaagatttt
30121	ttgtagagac	aggagcttgc	catgttgccc	aagctggctc	caaactcctg	gcctcaagtg
30181	atcttccgat	ttctgcctcc	caaagtgcgt	ggcttacagg	catgagccac	tgtgacaggc
30241	ctgtaagagc	tctttatata	atctgggtac	aagttactta	atgagatatg	tattttcaaa
30301	tgtttttcct	ctatgctatg	gtttatcttt	tcattttctt	gaagggtgct	tttgaagcac
30361	acatatTTTT	aatttttatg	aaatagcatt	tatctgttgt	ttcttttatc	acttgtgttt
30421	tagtgtcata	tctaataaac	catttttctaa	tccaagatta	taaaaactta	ctcctatggt
30481	tttgccaaag	agttttataa	tgttagacct	tatacttaag	tctatgattc	atttttagtt
30541	catttttgta	tatgatatga	ggcagggggc	caccttcatt	cttttgcatg	tatatatcca
30601	atcatcccg	caccatata	tgaaaaggct	attctttgtc	catgtcttac	atccttatca
30661	gaaatcaatt	gatcataaat	gtagggtatt	attcctggac	tctcaatttg	attccgttga
30721	tctatttggt	tatcttcctg	caaatggcac	tctgtcttga	atattgtagc	tttttagtaa
30781	gttttgaaat	cagaacatgt	aaatttccca	gctgtgttgt	ttttcaagg	tattttggat
30841	attctgtatc	ctttgcatTT	ccacacaaat	tttaagatgg	ggcttgtcaa	tttctgcaaa
30901	aaagacagct	atgattttga	taagtattgg	cttaatctgt	acatcaattc	ggggagtatc
30961	tgtcatttct	tgacaatatt	aaattattcta	atccatgagc	aatgaaatgt	ttttccagtt
31021	attagatcct	ctttaatttc	tttcaacaat	gtttcgtagt	tttcagagta	caaaacttgt
31081	acttcttttg	ctaactttat	tcctaaatat	gtatttcttg	atgctattct	aaatggaatt
31141	gttttatggt	cattgctaatt	gtgtagaaat	acaattatac	tgaggactta	tttgaataag
31201	aagtttcagt	gtcagtggtg	tggtatgttaa	aaacagatca	aatgaatata	tatatatata
31261	tatatatata	tataaaatga	atgttgtaat	taactagaaa	gccagtgga	aaaataactg
31321	ccaggcgatt	atgatagcat	gctttattta	tgagaaaata	accagtttta	aattgtggca
31381	gttttatgag	aaaataacca	gttttaaaac	tttaaaaagt	tttaaaaata	ctcttgagat
31441	taatacaaac	caaaaagtat	ttttaagtct	ttaataataa	tcttggctct	ttgtcacat
31501	aggctttttc	ccctatcctg	gctggagttg	attatgtaga	cacattctta	aaggctccct
31561	taaagttgag	taatgattca	aataaggggtg	agataagtct	tagctgaaat	gcagctagag
31621	tatagtaaaa	caatttgatg	tttacaata	aacacaaacc	cacaacaatg	ctacaaataa
31681	aaattaaaca	aagagcattg	aagaaatttc	tccaaaacac	aaatttatat	aaacaggatc
31741	tattgaatgt	atgtaacaaa	agccaaagta	gcttttaata	agctcttcat	ttcaaaatca
31801	gtgctgcagg	ctatgcttat	aaaacacaca	gcactcctac	tgcacttatt	tcagcccctt
31861	gcataatttc	agcacacttc	tggaatattc	cgagtgttat	gccataccag	ttcttttact
31921	atttatatga	gttttggtat	ggattaccct	aagcatatat	ttcccctgct	tagtagcaca
31981	gctttcatta	tacttcattt	ctcctgtctt	ccacaatgtc	tactgctgag	ttctagatag
32041	gagtaagtat	tcgagttaac	aaaacagtat	tgagtatctt	atgtgtactc	tttagctatt
32101	gttctgtgag	gaaaagcaag	ttccttcctg	ctttccaact	agtgaactg	tcacccagag
32161	tttggccaaa	ggaaatcact	ttgttgcaat	tgcttttctt	ctccttttgt	tatcaatggt
32221	cttctctcta	attcctatcc	tctgtgttgg	aatggctctg	ccctctagtt	agtctttatc
32281	gaatgcaaat	ataattagtg	ttcaactact	caaagttcaa	aatctatcaa	caaattcatt
32341	agctgtatTT	ctagggatcc	atagactatt	gcttctgatt	ttatatggca	gtttctggg
32401	aagagaagtc	ttcagtgctt	Yctttgtaa	agttcccatg	acatctgctt	tatgggtgct
32461	aatggttcct	tgctatccag	tggtatgggtg	ggagagaacc	gtgcactgtc	caactctgca
32521	tgagagctgg	ttttagtggc	ttcttagaac	gaattattag	catctctttc	taccacagga
32581	tccattgatg	ttacattggt	gcttaaaatt	ggtcacagtg	agaatattta	ttaccagatc
32641	attgtaagt	gctactagtc	aattcttttt	ttaaatatag	ttgttaaatg	gctataataa
32701	caccactatt	agatgaaaac	tatttgcttc	tgtatgactc	cctctattgc	tttcatgtag
32761	atgcctcctt	gcctgcagcc	acttctgctg	gatgatccat	tcaagtctat	aagacatggg
32821	gcaataaaca	ggagttctaa	accataaacc	caaacacaaa	cgtaagggac	taaacagaat
32881	ccttggtctt	aagttgttaa	attactgcca	agcagtttgc	gaaaatctct	aaatctctct
32941	tgaactgaat	tgaatatgat	cattgtgttc	agttgtccag	tcaatgtgag	tgtaaatgtc
33001	tctttctata	ttatttaaga	gaaaacagta	gagatacaca	ttttcaaaaa	tgtaaatgtc
33061	tcaataaagc	attacaaatt	tttgtctata	aaaatggcat	taaaagggaac	atcagatttc
33121	aatagggttg	caaatgagga	atattagcta	ccttcaactt	tacctaaaaa	caacccaaaa
33181	atagaaagaa	gtaacatatg	ctaaagaaaa	tttctcagct	acaagttatt	ttcctgataa
33241	acattgttat	gggggaaaa	gttgttctgc	tttttttaaa	ggcaatgatt	aagcacaaag
33301	cccccaatcc	caacaacaac	aaaaaaatat	ggtagacaca	gaattagaaa	ctgggcctga
33361	atgaaaaaat	agtgtctttt	ttatctacat	gatcttgagc	cacaatttgt	aagacatatt
33421	gattttttta	taaaaagtaa	ataaaattaa	tggaactatat	tagtgacctt	aaatcaccca
33481	cccatgggtg	ggaatgtggt	cctcactggg	gagagaatgg	ttgcatatta	tggtcagcat
33541	gaagctttat	ctttgaYtta	gagattttga	aaaatctctg	cccatcctgt	gaagagggct
33601	ccttatctta	gtgagtcact	gttagttttg	ggagctttac	ttctcaggtg	agttctaacg
33661	ggtgaaacaa	ctcagaattg	gtgaatcaga	tgctctcctg	tattttttct	tagtccctca
33721	tactataaca	aatgctttta	gaagaaaatt	aatttcaatt	catggactgc	aataaattac
33781	gcaattgtta	cagatcaatt	caggaagcaa	gcagctatgc	catccttgaa	

FIGURE 2-J

33841	tatgcaagt	aaatcagata	gcagaaggga	atacaattat	ttatttggaa	atgtatctga
33901	agttagatt	tatctcttat	tgacatacaa	caatttcac	aataaatttc	aaacctataa
33961	attattctgc	aatgacacat	ttaacttcct	atttacattt	taaaagcatc	gcataacatg
34021	ggtttcgtat	tagaagtact	tggccctga	gatactgcat	taacttactc	ccttgctgca
34081	gaattcccag	tattgccata	actgaatact	aacagagtgt	gtgttataaa	aataccacag
34141	ctattttcaa	aataaaatat	gctacgtgaa	cattaatgaa	aaaaagctga	atataatgaa
34201	caatgcaaaa	aagctgactt	ttcaaacttt	tttttagaat	tgctttttct	ttccagcata
34261	gtttattata	cacacaaaaa	cgcatacaca	cagtgggtgcg	ccaataaaaa	tttaacaatt
34321	ggctctgcag	ggggcaacaa	aaacgcctcg	atttgtaggg	tctgccaat	tccatgttgt
34381	aaatccttcg	tgcttgattt	caggttgcca	acacaccaac	aataaatgca	tagttgggaa
34441	gagaggtaga	gagttggccg	tcgatgctcg	gtagagtcag	cgccagcaca	tggtgacct
34501	agagcctctc	catcatgcac	ataaatatgt	catacagaaa	tgcatcccat	aatgtgtagc
34561	atacatatga	tttctcacga	aagagaaagt	catactacat	gacttataac	taagtcatga
34621	atatttttcc	tagatttaat	ccacaatcat	tttaactata	aattgggttaa	gccagtcaac
34681	tatagtttag	ggcatatgta	ttacatagat	aatttttaat	tgtaaaggta	gttggatagg
34741	ttaaaaagtg	gcttagcctt	ctcactcagg	tagagcctaa	gttgcatatt	ttagaattaa
34801	tcattaacac	actaagcagg	cctgcaaaac	atccatgaat	atatatttcc	caaaatgaat
34861	aaatcaaaaa	cctgaaagct	gcaaaccctt	atgtgaagca	tgaaaaaatg	ccaatagcaa
34921	gaatttatat	actttatgct	tggcctgttt	atcttcacatg	agattaatag	agtgaaataa
34981	tattttataat	aatgggtgtaa	gaacatgctg	aatagtatac	tgtattaaag	ttacatgac
35041	ttgtcttgaa	ttttgtgttt	ggaatagtac	taagaaatat	gctgagggag	aaatttgagt
35101	gcaattttca	aattaatata	tatttaYtga	gctactacta	tgtgcaaggc	acagcaccca
35161	ggcactacat	gggacacaaa	gataaatgca	tacagtcttc	tcaatgaaat	tacaatcaat
35221	aMgggataat	aagacaagag	gtcaaataat	taacatacag	ggactagtag	gacctataga
35281	aaggaaagat	cctattat	gggaagatat	aaaaagctct	ttgggataag	gtggtatgaa
35341	aaggaaatga	agtaatgata	acttgaactg	aagatgaata	gaatagggtc	tactaaaatt
35401	tgccaggcc	cagcctaaca	tgctaggtta	cccgtggcta	cattctgtta	ttctgctgc
35461	ttaatgagta	catgacaata	tgttctggtc	attataggaa	ttcttaaaac	aaggagtc
35521	tctgccttag	caggtggcat	cttgaggctt	ttggattctg	tcttcaagtt	ttttaatgag
35581	caacaggcca	aacgtggatt	agtttgaagc	agcttctgtg	gactgtgtca	atctgtatgc
35641	gaggtggaat	gagtagagag	ggtgttagtg	aaaacaactc	ctgtgattcc	cttaaccttc
35701	tttgagggaag	ggaaaaactt	gggataaaac	tgagtatttt	ttcaagtcta	ctggtgagaa
35761	aagcatgtca	taaccgaatt	gcatctgttt	gggtatcata	gtggtttggg	gtgtaaat
35821	gtttattcgaa	gagtagtata	gatatagaata	attgattaat	tatttcattc	tacatctttt
35881	ttcctaaaat	aatttaggaa	aacaacaccc	taatcagttt	ttctcaaaac	taggcatttg
35941	tagcccccat	ttttgctagc	aggagttgaa	tgtagttttt	aaagctgaaa	ataaaaccaWc
36001	acattttcta	aaactcttta	tagtgagagc	ataggtctta	ggaaaaata	tattagcatt
36061	aataagtaaa	ttgtctcaag	tcatactaaa	gcacattact	aggatcagta	aaaaatat
36121	atgcaCaatt	gtgtattaga	ttctgtggct	agcaaacgaa	aaattttcca	agctgacct
36181	aaccggagcc	catcttggtg	gatgtttcaa	ctattgtcac	atcaaccttg	agaagagttc
36241	aaacactaag	aatgaatgag	ggaagaggtg	gcggctgaaa	ggattactga	gctccacatt
36301	gacttgatgg	tcaaaagggc	attatggctc	tgaattttga	tgaggcacat	ttacccttta
36361	gcccattgta	acattttctt	caggattcat	tactattaaa	attattttatg	aaaaagtttt
36421	tgRctggat	cattaccatc	agaataatca	gaatgaatgc	cacactgaat	atcaaaagaa
36481	ataaaactaa	aatcattata	aggacacaac	catgtgat	ttgtccatct	gctctttaag
36541	caatgttatg	ttatttcttg	caacccttac	acaaaggcca	agaaattaca	caagtactag
36601	tttattgggt	attcacggag	agtgaatacc	tgaaggagaa	ggctgtcctt	ttactacacc
36661	attttttagtc	ttttcttctg	aattcattac	ttccttgtag	ataagttctg	taagaaacag
36721	ctgtgttatt	atagaaaaca	aatttatcct	tcatccacag	ggaaattcat	tacttaatgc
36781	caaataatta	cgttttgatg	gggttgagta	aattaaaaat	caattgagat	tcctttactg
36841	ctctatttct	atttctatat	tgctttgtaa	ttagcagaga	gcctggcaca	aataggatc
36901	tagtaaagca	gttgaagaaa	tcaatgcatg	aaaatttatt	tctacgtaca	tgaacatac
36961	tattttatttc	catatacata	gtattttatt	ctacatacat	ttctacataa	ataacattta
37021	tttctacatg	catgaaatat	ttctacataa	atgaacaag	taatacatgt	tttacttgtt
37081	ttctgaattc	tttgggggaa	gtactaatac	attctagctc	aatctagcaa	caatttttat
37141	ggctttgaac	atccattttt	ctttataact	atttcctatg	aaatgcacac	atttctcatga
37201	ctttaaatta	ttaccaatcc	ttcaaacttc	catctcttac	tgcatctttt	tttttttcca
37261	gactcatatc	ttggacttgt	aaatctaaac	ttgccaaaaa	ccaaacacat	taaaaaattt
37321	agttcattta	ctctcagact	ggcatccatt	tttggctttc	tgaatgctag	agttaaattg
37381	gatagtttca	gttctgttta	ctYgttcctt	ttagctaaaa	atcattccgc	cctactcatt
37441	cttgctttgc	aatggcttat	aatctgtata	atcatcatcc	tttacatgta	cttctttctc
37501	caattttctca	caatttagtc	catgtcctcc	tcaaatgatg	gttatatcct	atcaccacc
37561	tattcatgag	ccctaagga	gtgccttcct	gtccttactt	ggatcaaaag	aactcttttt

FIGURE 2-K

37621	catctatatac	aagcatcttt	tttcacttga	tccacttttt	gtatatgttc	atttttccat
37681	attcaccaac	atgaccctgg	aatctctgga	ccagtggaa	ctcttttagta	tcttttaaaa
37741	tttttttatt	ttatttttta	ttttacatat	atatatagag	agaggcagag	actttctctg
37801	tcaccaggc	ttgagtacaa	tggcacaatc	atggctcacc	gcagcctcaa	cttctctggac
37861	tcaagtgatc	ctcccacctc	agcctcccaa	gtagctggga	ctacagggtg	gtaccactat
37921	gcccggtcaa	tttttgtagt	tttctagcag	agacagggtc	tccctatgtt	gcccagggtg
37981	gttctgaact	cccgggctca	agtgatcccc	cagcctcagc	ctcccaaact	gctgggatta
38041	cagggtgtgag	tcatacgctcc	tggccctgtt	tagtatcttt	ataacatttt	ctgcttattc
38101	ctgtcctttg	ttttcctctt	agtcctttat	ctgatatttt	cttaattatt	tttcttttcc
38161	taattttacac	ttattaattc	ctgcaaggta	gctcaaagt	tccctccctt	cagctcttcc
38221	cattttgatc	tgatcatttg	ctacaactcg	catttgactt	tctcatattt	attctattct
38281	gtagtgattt	agattagtag	attagattaa	taggctactc	agatacacat	attttctatg
38341	taaattctca	agtcttatca	atccaatgag	taaactcata	tattgactat	cttttatttt
38401	ctaaagtcta	aaaccatctc	agaattaatt	ttaatttcat	gcttcatatg	atgattttat
38461	gtacaaacat	agaaagtgtg	attctggaat	tctgaactaa	agcttgcccc	ccaccgtgac
38521	aaacactgac	aatcagtagc	attttaaaag	gtatcgacaa	acaactgacaa	tcagtaccat
38581	tttaaaagggt	atcaatggta	aatgcctttc	attcttgagc	aaatgtgaca	ttgctttcgg
38641	catgaaaaga	cagatgaagt	tttaggagct	ttaaaaatgg	tctaagagaa	tagcagtcag
38701	caaatcattt	tttagtaaat	tgttttcaaa	ggaaaagcct	tgttgatact	ttgctatttc
38761	aataaaaataa	aaagtatact	tttttaagta	gtagacttac	ctttccattc	ttcaattgtg
38821	tgttctcttt	catccaactg	cttgtcatat	atctgagggtg	gagggtgccg	aataaaaaaca
38881	aaaaataatc	tttgtgtgat	aatgtaaaaca	taactaaact	cttacaatgc	acgagaatac
38941	cttgccctca	tttatttcgg	tgatttcaac	cgtatataag	ttatgaggaa	attacagtag
39001	ttcagaagtt	aaaattttcc	tgtaaaacta	tggaggattc	attcatattg	caatatattgc
39061	tgctgaccca	atattgctgc	aatatttgca	gcagaacgca	aatcccagaga	gctcactttc
39121	cgacatcttc	tgatttagaa	cccacgccta	agcaattaat	gactggtctt	ttaaaaaaca
39181	gacaaaacac	gtgattacaa	tgRccagaa	gctacttttc	cttcaYtcac	ttgctttata
39241	acagaacccat	gctaaaattc	ttctagtgta	ataagatttt	gttctatttt	tagaccttcc
39301	ctaaagaaaa	gtttatattt	ctcaacagac	catagtacta	gtcctcaata	taaaaaaaat
39361	tgagatcaaa	tcaacctttt	tatttttcat	gaaataccat	agaatgtctt	tatatattgc
39421	tgtgtgccct	atacttaaac	gatttttaagc	tttttggttt	gtttgtttat	ttgttttaac
39481	ctgcagaagc	tgccatgact	gtagaggtag	gtcaccttga	atccctgaat	ggcccttggt
39541	tagtctcttc	tagcagaaat	gatgcaatag	ggccttcagt	ctgacttata	gagccagcat
39601	ttctcttccc	atgtggagtt	caaatgtgga	aaaggaggga	ttttcacaaa	cctgcgtgcc
39661	tactggaaag	tggaatctca	aataaattct	ctgacctctt	cttctgata	tttaggttaa
39721	gggagatcta	ccatggcggc	tagggtagct	ccaattcagg	ccaagtgata	tggaaagaaa
39781	aaaaaaaggc	tcttggaaaa	ataaatcacc	atgaggtaga	gaaagaggag	gctgaggggc
39841	tacactggct	ggcaccggtt	taagcgcaaa	gaagagctat	caagtttttg	ctaccccgct
39901	caatactcca	aaagcaatag	tttttgtgaa	aaactaaaag	agtcactcaa	taagagtgtc
39961	gcaacccctt	taggacacag	acctttcaaa	aatggctatt	atagtaagga	aagctctgga
40021	caagattttc	agagacagct	tctggcttct	gtgagagctt	tttggctcat	gaacagcacc
40081	ctcgggctaa	agtgcacctt	ctctaattca	tgagaatctt	gtggtagctt	gaatcatgac
40141	agacacaaat	attcatccta	gccctggcat	gctggggcct	cacatcctgc	aaagtatctg
40201	gctatgaaaa	tagaagactt	tgcctggctg	tggtagaagta	acttagcata	atactgaagt
40261	attgagaaat	aactactcac	ggagccagac	attcttttag	cacgtttgac	tgatactggg
40321	gcagaagggt	gtaaaacctca	cctactgcaa	ttcagatgtg	gctggctgag	cagctctcag
40381	cagccgtcag	cactgacaac	taagcaaaat	gagactctca	caccacccca	gacaatagta
40441	agaacacaac	acattgaacg	tatataaggt	gacaggactg	ggatagttag	gcactgctct
40501	caggacctga	ctgaggtaga	accttccacc	tctataaagg	actctcaaat	aatagaaaca
40561	ttctgactta	gtgagtgaat	gagtaaaatg	aagttatttt	tgaaaaaattg	tgaaccattt
40621	acctaaggaa	gctaccacaa	agccaaactc	tggttttgta	aagacgcttt	gccaagtggg
40681	aaattttccg	ctttgcctct	tccctgagcat	gtataatgct	gtgggttaggc	cgctatccaa
40741	gcgaccttgt	ccaggacccc	tgcaggacac	agtgtacata	agctctcaga	gccccagag
40801	ccctctgagc	tgttggcacc	tccctcttct	tctaacaata	gatccagctc	atgatcctgc
40861	ctggctggct	tctccatgca	gtggattttt	ccattcaagt	tttaaaattg	aacatggctc
40921	aagagtacag	ttcctgccaa	agttcataaa	tggcattttc	tttttgcaac	aaagctattt
40981	tcaggagggt	tccctaggag	cctcagtgtg	cagctgttgc	tgatataata	agcacaaggt
41041	acatagacac	taatcacaaa	caaactacaa	gagagaatgc	aaagtgtctg	gttcaagatt
41101	tttcttttca	acaaaccaag	agggctgctt	taaaccactt	gatttaYagt	attgttctga
41161	cggcctctgc	aaatttacta	catattcaga	tttttgattg	tttgtttttt	gaagaggaaa
41221	tgcgaatgtc	acctccagtg	aaagggcaca	ttcacatata	gatgtcttct	atgtgacaat
41281	ataaaagaat	aattgaccaa	taatccagag	agagcaatgt	tacaacacac	acgtataagt
41341	gctgggcagc	aatcatcagg	atgagatagt	tcaaaacatt	ccctgcctcc	ttccgctaag

FIGURE 2-L

41401	gagaagtttg	tatttgagca	ctcgttgtg	ctctttccct	atcttattta	ataggaatta
41461	ttcttttgc	aagtgacaat	ctaaataaaa	aataaatgag	gagtggggat	aaagaaaaat
41521	gccccagagg	tgtctgttga	gagagtattt	taggagagtt	tagcagataa	gagtaattga
41581	gatgtgagaa	atgaaggata	agaggacatt	aaagatagta	tatgaacagt	tatcagggcc
41641	tgtgactttc	accctttgaa	tattttttca	aaagactgta	aacttctttc	atattatttt
41701	ggaagatttg	aacttccttg	gttgaataa	ttgcagaaat	tcaaacacaa	atttatatgg
41761	attgcataaa	caataactta	aaatggatta	gacacatttt	tattgatggt	taatttcata
41821	tgaatttata	ttggtggtca	attatatgaa	ttttatactg	atgaaacatg	tccaaattgt
41881	ttcaattaaa	tgaggaaaaa	aacacaaaca	agtacatggt	cactgtgaat	taataaatac
41941	tagaatttat	ttatttcttt	attaaatgta	ttcattcagt	aaaggtcttg	ggcacctaac
42001	acatggcaga	ctatataaaa	aactgagatt	tcaaaattga	ataaggtgac	tgctgaccac
42061	aaggtggtca	caatttactg	gggttaagact	gatgcaaaac	agatcattag	tatacaacat
42121	gataaatgat	agaaacctgt	atatggtcta	agggaaacagg	gtggagaagt	cctaacaaa
42181	cctagatttg	atttcctgga	gtaaagtgat	gcttattcag	tgagcgaaa	atgtgtggga
42241	ggttgtcaag	ataaaaaga	gaggaaaaaa	gtgactccat	gccaaagagc	cattataaagc
42301	caagttacag	tatgtagaaa	acagaaatagg	ggtggtggtg	gtggtggtg	tagtggtagt
42361	ggtggtgcat	gtgtttctct	gtgtgtacat	gcatgccaa	aaaacaagaa	ggaattttgt
42421	cacagtaaaa	taaaacatgt	cgtcagaagt	gacaagatat	aagagctgta	cttagagaag
42481	cagaaggggtc	agacaaaagg	tggatcaagg	atgatccagg	gggccaggcg	ctgtggctca
42541	tgctgtaat	cccagaactc	tggggggccg	aggtgggtgg	attatttgaa	gtcaggagtt
42601	caagaccagc	ctggccaaca	tggtgaaacc	ccacctctac	taaaaataca	aaaattagcc
42661	gggcatggtg	gcaggcacct	gtaatcccag	ctactcgga	ggctgaggca	gggaatcgc
42721	ttgaacccgg	gaggtggagg	ttgcagtga	cccagattgt	gccactgcac	tccagctgg
42781	gtgatgaagt	gagactctgt	ctcaaaaaa	aaaaaaaatg	atccagggtta	cggaacagtg
42841	tcatgatacg	gaagaaagaa	gaagagaaac	actgtaagca	gagagaagag	gtagggagcc
42901	aaattttacag	ctggattgaa	gaaagatgta	ttctgactgc	ggttaaaaaa	aaaaaaagat
42961	attgcacgat	ctataaaaaa	atattgaaag	taatttaata	atgttaataa	ataaacttgg
43021	gaggtgtgaa	gaaagacaca	gattcaggaa	atgttaataa	agaatatgag	tcccaatttt
43081	tagaagtttg	tttttgattg	aacatatgtg	atgggagaga	catctaaaga	aatagagaat
43141	ctaagctgag	tacctgggaa	gatgatcggt	ttggtgaagc	ttatgtgaga	agagatgatg
43201	ggaaaagggg	aaatgagatt	ggtagagggt	agcctaagtg	ctgtttgcta	gagatgtgta
43261	atttgaaagt	taagtatata	atctgaagtt	cagaggaatg	tgacagtgga	tgaggtcacc
43321	tagatttgag	actaacagca	agtgatgttt	gttgaaacta	tgacagtgga	gattggacag
43381	caggaagat	atgtgggtat	agagagtaaa	tggccaaatt	aaaatttaaa	aaaatgagaa
43441	aggaaggtaa	gttcactaag	gcaaaaagaga	atagctaaag	aaatacatga	aatggccat
43501	tatttcaatg	ttatagaagt	caagcaagta	gaatttcaca	aaaagctagt	gcattgtaga
43561	ttcttgcaaa	tgaagcacat	gaggattttg	actcgcagg	caccagaaag	acccccagaa
43621	aagcatgcct	ctgaaccctt	tgaaagcttt	ccaaacttta	aattgtctac	acaaattgaa
43681	agatccagat	agatcttcgg	tggaggacgt	taatatgaga	catcacctaa	catagaacaa
43741	aaaatgtaga	aaaagatcct	caacacaaat	ataattaaaa	ggaaagaaac	ctgagaactt
43801	ttgtgacact	agaaaaacta	taatgatctc	agatctactc	tctcaagtct	ttctgagaaa
43861	gataaaaaaa	aaaacactgt	tctctatcta	gttaaaggaa	gtcacttttt	ttctgagaaa
43921	ccaccatattg	ttaagctgtc	tttatataga	ccttaataat	cctcacagtc	aggaaactaa
43981	gattcaagga	aatttttaaaa	aatatatcat	gaagtcatat	agctaattaa	tgaatctaaa
44041	tttatttaaaa	cccaattttaa	agagtaatcc	agagcaagtg	tcaatactgt	aatagaaaaca
44101	ataaaagacta	ataaaacaat	attttaaagt	aacatctttg	taaaacaaga	ttatgcttat
44161	taagccaata	gggtgaccat	atttcccagt	ttgtacaaaa	tagttccatt	gtggtttgga
44221	tgtccttgta	attatttagta	gcacttacgc	ccttcgctcc	tttaagtgtt	gagatctaag
44281	gaataaata	gtggacactc	tacatagcaa	tgttgtgaca	tggcatgtta	taccactgag
44341	gtatacagta	atttgaggac	aaagaaaaca	actgaattgc	aattgttttc	catttccttc
44401	gtttcaacaa	ttgcagctgt	accttttctc	tctctgagac	agcacgtcag	tggcagacag
44461	cattttctct	atttttagaa	acgtaaaaat	cagctataaa	atatggctgt	gattctgtgg
44521	tacagacaag	agtagaatc	tgcataataa	atctatagtt	gaaaaaatag	tctttaacaa
44581	gcattctatg	gagttccttg	tgttgcccat	gactttctac	taaagcgatc	tgctctttc
44641	gtacctgttc	aatttccta	tgagctttcg	aaggtaaaa	tgctctttc	agacctcct
44701	cccaggcctt	tgggaggccg	aggtggcgag	atcacgaggt	caggagatcg	ggcattgtgg
44761	ggctaacaca	gtgaaacccc	atctctacta	aaagtataaa	aaattagccg	ttaacttggg
44821	caggtgcctg	tggtcccagc	tactcgggag	gctgaggcag	ccagcctggg	gactgagcg
44881	agggtggagct	tgacgtgagc	caagatcaca	ccactgcatt	gacttcattc	attttatccc
44941	agactccgtc	taaaaaaa	aaaaagttgc	cctttcttgt	tattttttac	tgaatctttg
45001	atataataaa	gtaaatattca	ttgagtaaaa	tgtgtgaatt	agcattatag	gatatttagtg
45061	agataatttt	caaagataca	tgggaagtat	ctttttcaac	caattttcaa	atgagaatat
45121	gtaaaagaaa	gttcagagat	tatctaattgc	cacccttatt		

FIGURE 2-M

45181	agaaactgag	aaagcataag	tgatttgccc	acaatcacag	agttaattag	tgacagatga
45241	atacatTTat	ggtctcttat	gggaaaagac	agaataatgg	aattcttatg	gttgaagaaa
45301	cattaaactg	gataatttga	cacctgtaaa	agatattcat	taaagacaaa	tttgtgctcg
45361	ccacacactg	atttctgttc	caattttctg	tcaagtctaca	cttacagcta	gagctggcaa
45421	ctatcataca	agcagtcac	acttacattc	ttaaactctt	ttttgtcaaa	gtatcatgga
45481	catcaaagac	ctctaAACac	atgaatctct	aaagagataa	aaaccagata	tgagaaatct
45541	aagttgtaca	aagttgttcc	tttgattctt	ctttgagccc	tgaactgaca	ttttcccta
45601	acacttatgc	tctgaacctat	atgacagctc	atcaagttgt	tggtgtttgt	ctgctttgtc
45661	ctaattaagg	atctccctgt	gttctgctgc	cttgtttaaa	atgtcaacaa	aagctttaaa
45721	tagcactgta	tctcagtgty	tgcaactcatt	attaattcaa	catctggatc	aaagtaaagt
45781	atattatatc	ttactgaaat	atgctttggt	ttttcttatt	aagcttgga	gttagatgat
45841	tgtaaaaga	tgcatgcttt	attaaaacgc	tttaagcaag	aagggatatat	cttagtataa
45901	aattagatag	aacaggaaat	ccattaagga	aataatacaac	attttgattt	tatatttcct
45961	tgaatctcta	cacatagagt	tttctaattt	tttttttctt	aatttgatga	ctaggacttg
46021	ttaaattttc	accaattaat	tagaaaaata	aaattttggt	aaaatgactc	tgatgaagaa
46081	caaaatgata	tgcaactttta	ttgttttatt	tggttaattg	cacagtttag	catgtccaat
46141	ttttctctaa	agccttatat	tctctgtggc	accaaSagca	gttcattacc	ccaaaatgga
46201	gctcagttat	tgtttcacaa	atagctctac	caacaatcgc	caaaataatg	aaaatattat
46261	tgcaatatgc	acaattatca	aaagaattga	ttagatataa	ttaatctcta	tgatttctca
46321	gtaatgtgac	cttactatgc	attaagcaat	gacctgggtt	ccaattacca	aaaacttcac
46381	tgcttctga	atgtagatat	atggcatttt	gtgatgtact	atccgttgat	tattaaaaat
46441	tgcttcagca	agtttcagga	actatgtctg	tgttctcaaa	cagaaattaa	ataatatact
46501	actacagatt	aaataaatgc	cttttaaaag	tatgatttga	ggagatgtca	gcaagatgat
46561	aaaataaggc	tctccagtg	tccctctctc	acagaaacat	caatttgaac	aactatccgc
46621	acacaaaaat	accttcacaa	aagtgaagga	aaccaggtga	gagatttcag	cacctgggta
46681	tagcacggaa	acaagaaaag	atgcactgga	gagagaggaa	ggacagtttc	acattacctg
46741	cttcactttt	cccccaatta	ccagacagca	cagcatggag	acagataccc	tccacatgat
46801	ggtagggaga	ggaagtgagc	atcagacttt	gccttagacc	ccaactctgg	gcctgccaca
46861	gaaaaaccca	gcaccaaaga	gaccttcaca	gccctagaca	ccaggctagt	acttgtggac
46921	tgagcttcca	cacctttccc	agcactgatc	aggggcttat	agccttagac	tcaagggtcta
46981	tacagcagac	ttgggtctctg	ggccactcta	ctgccagggtc	taccttagca	gcccaagctc
47041	tggaacttct	ccagcactgg	gctgtccctc	ataatcctgg	acatcagatc	catcccagta
47101	actgactatt	tcctgcagac	tcagactcaa	agccaatccc	agagccaagt	agcccctgtc
47161	ggaccaaaag	ataaggccag	cctctacaga	tgtaggcaaa	tatttgcaga	cataggcgctc
47221	aggtctgccc	ttgtgtaccc	agggtttcagg	cctatccatg	gggactcaat	caatagggtcc
47281	acacttggtg	atctagactt	aggcccaacc	ctatagaccc	acccacctgc	tgaccagggc
47341	acccagacac	caagcccagc	caacctacct	gaggactcca	acagcaggcc	tacccttaga
47401	cgacaccaaa	tgcatgcac	agggttctatg	gaaaggctga	ctgataaaga	gttttcccag
47461	acaaagccag	tctgcaaaga	ctggaataag	cccttacttc	ttcagatgca	cagacatcag
47521	tgtaaggaaa	taagaacacat	gaaaagctga	ggtgacataa	accaccaaaa	aaatacaaaa
47581	atctcccagt	ggctgagtca	agagaagtgg	aaatatataa	actaagagac	aaaaaagtca
47641	aaataattgt	tttaagggaag	ctcaacaaac	ttcaaaaaaa	ttacagggaa	acaatttcat
47701	aaaatcaaga	aaacaataaa	taaaacaaat	ttaatagaga	gattgaaatt	atttttcaaa
47761	gacaaaagaga	aatcctattg	ccgaatataa	tgaatgaatg	aaaaatgcaa	tagtaggatt
47821	gatgaaggag	aagaaagaat	ttgtagcctt	gaagacaagt	tatttaaaaa	tatatgggtca
47881	gaagagaaaa	aatgaaaaaca	aatagagaaa	gtttatgtga	tttatgggag	agcatcaaaa
47941	gagcacattt	tttagttcaa	gaagagaaaag	acaaaggggt	aggaagtatg	tttaaggaaa
48001	taataacaga	aatgttttca	tatcttggga	aagacatatt	cacgtagagg	aaagttaaag
48061	ttctctaatac	agattcaatt	caaacaagat	tacaccaaga	tatatcataa	tgaaatcaac
48121	aaaaatcaaa	gacaaaagaaa	ggatcctaaa	ggaccaaga	gaaaagaagc	aaataacatt
48181	taagggaatg	ttcctatcaa	gctagcagat	ttttcggcag	aaaccttaca	ggccaggagt
48241	gtatgggaca	acataatcaa	aatgttaaaa	taaaataaaa	aaactatcaa	ttaggaatac
48301	tgtacccccac	aaagttgtcc	ttcagaaaag	gagagataaa	gtctttccac	aacaaaagtt
48361	gagggagttc	accaccagac	ctgtctcaca	agaagatgct	taagagagtt	cttcaggcta
48421	aaagaaaagc	attctaatta	gtgacacaaa	aacatgtgaa	agtgtaaaa	tcacttaca
48481	agataagtac	acagtcaaac	tcacaacacc	ctaatactgt	aatgggtgta	tgtaattcac
48541	ctatatcttt	accatgaagg	tgaaaagaaa	aaaactacta	agaataacaa	tagctacaat
48601	aatgtgttaa	ggcatctaca	accacctgat	cttcgacaaa	cctgacaaaa	acaagcaatg
48661	gggaaaagat	tcctatttta	ataaatgatg	ctgggaaaa	tgccatagcca	tatgcagaaa
48721	actgaaaacca	gactcgttcc	ttacacctta	tacaaaaaatt	aactcaagat	cgattaaaga
48781	cttaaatgta	aaacccaaaa	ccataaaaa	cctagaagaa	aacctaggca	ataccattca
48841	ggacataggc	atggggcaag	acctcattac	taaaacacca	aaagcaattg	caacaaaaga
48901	aaaattgaca	attgggatct	aattaaacta	aagagcttct	gcacagcaaa	agaaactatc

FIGURE 2-N

48961	atcagactga	acaggcaacc	tacagaaagg	gagaaaattt	ttgcaatcta	ctcatttgac
49021	aaaggtctaa	tatccagaat	ctaccaatt	tacaagaaaa	aaacaaacaa	ccccatcaaa
49081	aagtgggcga	aggacatgaa	cagacacttc	tcaaaagaag	acattttatgt	ggccaaacaaa
49141	catgtgaaaa	aaagctcatc	atcactggtc	attggagaag	tgcaaatcaa	aaccacagtg
49201	agataccatc	tcatgccagt	tacaatgggt	attattaaaa	aggaaacac	agatgctggc
49261	gaggctgtgg	agaaacagga	acgcttttac	actgttgctg	ggagtgtaaa	ttagttcagc
49321	aattgtggaa	gacaatgtag	tgattcctca	aagatctaga	accagaaata	ccatttgacc
49381	cggcaatccc	attactgggt	atatatccga	aggattctaa	attattctgt	tctaaagaca
49441	catgcacaca	tatgtttatt	gcagcactat	atacaatagc	aaatacttgg	aaccaaccca
49501	aatgcccatc	aatgatagac	tggataaaga	aaatgtggca	catatacacc	ttggaatact
49561	atgcagcaat	aaaaaagaat	gagttcatgt	cctttgcagg	gatattggatg	aagctagaag
49621	ccattcatcct	cagcaaaacta	acaactcgca	caggaaacaaa	aaacaaacaa	ctgcgtgttc
49681	tcactcataa	gtgagagttg	aacaatgaga	acacatggac	acagggagga	gaacatcaca
49741	caccaggacc	tgtcagaggg	ttgggggcaa	gggaagggag	agcattagga	ccatacctaa
49801	tgcattgctgg	gcttaaaacc	tagaagctgg	gttgataggt	gcagcaaac	aagctggcac
49861	atattttacct	atgtaacaaa	cctgcacgtt	ctgcacatgt	atcccagaa	ttaaagttaa
49921	atttttaaaa	aaagtgttaa	gggatacaca	atataaaaa	atgttaattg	tgacatcaaa
49981	aatttttaaat	gtgggaggaa	tggtggagta	aaagtatagt	tttttaaaaa	tgcaagcaaa
50041	aagttgttat	cagcttaaag	tagcttgtta	taactataag	atgtttttgt	aattctcatg
50101	gtaaccacaa	agttaaaaatt	tatggtagag	acaaaaaaga	tacaaagttag	ggaatcaaa
50161	cataccacca	gagaaaatta	ttttatcaga	aaaaaaagac	aaaaaaagag	gggaagaaat
50221	gaacaaagaa	cctacaaaac	aaccagaaaa	caatgagcta	aatggcagta	ttaagtcctt
50281	acctattaat	aattaccttg	aatgcaaat	gattaaattt	tccagtcacc	ttggatgtga
50341	agggggcctga	gggaatagaa	agaaaagact	ccaaggatc	tcattatcca	gatgaaaacc
50401	tggatagaaa	gtagtcccat	gaattggaag	gaggaagcat	agatttggtg	tRgagaggag
50461	atatggccag	tttaatatatt	aatatgttga	ttttgcaatg	ccaatttcaa	ttccagtgac
50521	tgttagattt	atacatctgg	aactcaggcc	agctctatgg	gacgatgtgt	agaattgagc
50581	catttatgat	aatttaaaatt	aaggctgtgg	tggaagataa	gactcccaga	gagaaaagaa
50641	ataagggcta	taaagaaaaa	atttctgaga	tgcaaatc	taagggaaga	gagaacaacc
50701	cacattgagc	aatggaggct	gcaggagaac	aggtgtgctg	ccaccacaga	aattaacatg
50761	caggggtgca	gaaaggaagg	tggtgtcagc	ttattcaaat	gggcaaatc	atgagatacc
50821	catttttttg	gacttggcag	ctaagaggcc	actggtgaat	ttagagaaag	cagtgtcaat
50881	gttttaaaa	tgaactggag	taattgtgag	taaaacagga	ctaattgttt	atagagactt
50941	ggctataaa	ctataagtca	tacttccatt	gctaagggtg	gaagtgtagt	taaaaataaa
51001	ggtttgcttt	gattctttgt	tctttgaaat	gaaagagact	agaacatgtt	tatttgaag
51061	aagtaattgc	cactggaaac	tgaaacatag	gacacacaca	gagaaggaa	gagccacat
51121	gcagaaaaca	aaggctataa	ataaaagagt	acagtgtcct	gggttttcct	ggatcttggt
51181	taaatgactc	catcacagca	ttatcatgtt	ttcttctcaa	catcttcac	attctactac
51241	cattctgtaga	aagtggattt	tcataatata	tctcatttag	tctttgtgac	aaacctccta
51301	ttccaagtat	gcaactgagg	cacacaaaaga	tttaaaaatc	tatgagttag	tagcagaggc
51361	catattttaa	cccaaatcta	actgaataca	atgtctgtgt	tctttgcatt	tttccacccc
51421	aggcttatag	ttcctactaa	ttcaacctat	tgaaatatat	tttaacgttt	tattaggcaa
51481	acaaagcaac	agagaacagc	agggaaaaag	gcgactttat	ctctagctga	cggggctcct
51541	gaaatgctgt	taatcaggat	tctagatata	aatttccacg	tccactcaga	ggggcgagaa
51601	tgtgcaatat	atttgtatgc	tgccaccttg	tggaagaaa	aatgaaaac	attaagaggt
51661	gctttgtgtg	catattttatc	attttcaatt	aaattgctct	agtttatggt	tcagctacgg
51721	ctgcacattg	aatcatctg	ggagttttaa	aaatactgct	gcctagatcc	cacctcagag
51781	attctgattt	aattgttctg	gggtgaggcc	ttggtgtcag	gatattttta	aacttcccaa
51841	atgattctaa	catgcagcaa	agattaagac	ctctgctcta	accacttata	cagtagagaa
51901	gcaagtcttg	tcatttgcct	agttatgttt	catttgtata	gacgcaaaag	aaaacattct
51961	agagaaagta	ggtgattttc	tctcaactct	taatggcacc	tagttcttgg	tagaatacaa
52021	tgatttctgg	acagatatat	catataactat	gattttaaag	aacaggacaa	agaaatttgt
52081	gaattgtaat	caaagtggac	acaagatttg	tgtctcataa	tcaaatgcag	tccgtagact
52141	aaagttagca	gggagaatct	ctgagcctca	taatgctgca	caggttttct	gaaaggaaca
52201	atggaaagag	cactgaagca	ccattgactc	tggcactagt	aagatgagtg	accttgagca
52261	agtcactcag	tttgcaatga	aagattttca	tctactgctt	tattcaagtg	aaactagttc
52321	caaagtgtca	acaaatatca	taccaggtaa	ttcaacaaaa	ctttcttaag	tacttgcaat
52381	gcgaaaagca	tggaattata	atgtgttata	aatggaaagc	actaatgttg	cttagagaca
52441	tcatagcatt	aggtgaccag	aggaaccttt	gaaagctagt	aatgcaaat	ttaattatga
52501	tctgaactga	gtgtaattag	aaagcttaaat	tacataatgc	tccagtgtgt	tggcaagaaa
52561	gttgcaattca	gttttctcta	tttttctatc	tggtctgtag	ttttctcaga	tttatttatt
52621	agctctacac	catcaaaaag	tgtaatcatg	tcttgaaaat	gaaatttctc	tttctgtctc
52681	cttggaat	aaaattttct	atggttcttt	aactgaaaag	tttcagtaat	tgcaccacca

FIGURE 2-O

52741	atcaccacagt	gccttgggtca	ggaatcttttc	tttcttcatt	cgttcattta	acacatatatt
52801	attaaccctc	taccatatga	tattactcat	ctttgaattc	cacctccctt	aaattccaaa
52861	tttaattatt	tacaattcat	gtcaattatt	agcttctaaa	catctcttga	atattctgYc
52921	catgtctaca	gtgatttaga	ttactacaga	tctatcctcc	tgccttctag	ctcccttttc
52981	tcaactccag	tcccacactg	cagacagtgg	ccctttgaaa	cttcaaatct	gctaattgcta
53041	ttgccccact	tcctagtga	tggcttccct	tcaccctagg	atagcatgca	tggtagatga
53101	caatgcttgg	gaactccttc	cttatctggt	ccctgcttac	cagcccaaaa	taatttctca
53161	cccttctcca	ttaagtcact	cagaaagctt	aaagctttgc	aattctctcc	accctctctt
53221	gaccttggga	tttttgcata	taccctttct	tctgcttgcc	tttcttca	tggataattt
53281	cttttttagc	ccttcatggt	cctgtttgaa	aattaatcac	tccaagcagc	cttctgtaac
53341	ccacattact	gggttatttt	tatgtgtttc	caatgtacaa	taagcttaaa	atttggata
53401	cgtatcatca	acatttactt	atttatcttc	tcactagacc	atgggacaaa	gaattgagaa
53461	taaaagacct	aggaatccaa	cttacaaggg	atgtgaagga	cctcttcaag	gagaactaca
53521	aacctgctgt	ctctatttgt	ctgttattcg	tgtataagaa	tgcttgtgat	ttttgtacat
53581	tgattttgta	tcctgagact	ttgctgaagt	tgcttatcag	cttaaggaga	ttttggactg
53641	agatgagggg	gttttctaaa	tatgcataca	tgctatctgc	aaacagggag	aatgtgcaat
53701	cctgtcttcc	tatttgaata	cgctttattt	ctttctcttg	cctgactgcc	ctggccagaa
53761	cttccaatac	tatgttgaat	aggagtgggtg	agagagggca	tccttgtctt	gtgctgggtt
53821	tcaaagggaa	tgtttccagc	ttctgcccac	tcagtatgat	atttgcctat	ggtttgcctt
53881	aaatagctgt	tattattttg	agattttggg	ctgagacaat	ggggttttct	agatatgaaa
53941	ttgaaaatct	agaagaaatg	gaagcacagt	atatagtaca	tagtagatat	ccaacaagta
54001	tgaaccattg	atgaagaaca	attatttgca	ttcaaaaatc	tacgatatat	taactcggaa
54061	aaattgggtca	ggtaaagaga	tgaataaaat	tatgacatgt	ctgacattac	tcaataaatt
54121	tttaaaaagt	agattccagc	ttttgatata	cacatattag	ccacacaatc	atgggcaatg
54181	tgcttaacat	ccattaacat	cctgagcttt	agtgtcttca	attctaaaca	cagatacatt
54241	cattcagcaa	atattgatta	tatgactact	aagggccaga	cagtgttcta	ggtagtggg
54301	atacagcagt	gccccaaa	gtcactgtct	ctctttttac	gcactcttaa	ttctagttag
54361	tgagacagat	aataaaaaga	gatataata	gtcaaacagt	gacacataga	gaaaaaagat
54421	taagaggcta	gagtgtacaa	gagtactatt	ctattttttc	tttttagttt	ttttcttttt
54481	gtttttgttt	tactttttta	actattatta	gtattatttt	tacaaacact	tgtaccaagg
54541	gctgactttc	aatagatcac	agcaaggatc	ccctctgcta	catatgaaac	cctgacccag
54601	aagcaggtca	tctacttatg	tttttagtgc	aggttacaca	cgaatgtgtg	ttacatgacg
54661	ggcaaggggg	cgccgaaga	gtactatttt	agaaaggatg	gtcataaaag	gcttctttga
54721	gaaggtaaca	tttgagcaga	gatttgaatg	aagtaaaagg	gggagcaatg	tgaatatctg
54781	gaggagaagt	gtcccaggca	gaaggaaata	caatgcaaag	accctaaagg	gggagcttgc
54841	ttggtgtggt	aagggaaccg	caaggatgcc	atatactggt	gcagagtggc	aaaggaaagc
54901	ctaaaaggta	tatcagaaaa	gtaggcagga	gccagactaa	gtagagccat	gttttccaaa
54961	ctgcagtcac	gaaaacaaat	tggtgtcatc	actagcacct	tttagtgtaa	ctaagaagag
55021	taaaatgaga	tagaaaatat	cagtgatagg	tttttctttt	gtgtgtgtgt	acgtgtgtgt
55081	gtgcagcac	gtgcacttgt	acacgcagtc	tgggttgcaa	tgtaaaacac	ccttcttact
55141	atgggttatg	ataaaaattg	aaacaacact	gtggtagggc	cttgcaagcc	atgataagta
55201	ctttgagttt	tgttataaat	atgataagaa	gccattggaa	gatgggaagg	tgttagctga
55261	ggaattatgt	gaatgtaacg	tgttttacat	tttaaaagga	aaattctagg	cattctgcag
55321	aatggaccac	aagggacaag	agtgtgtctg	agagataagt	cccagaatat	tacatgggtc
55381	agggtagaaa	tgatgtttgc	atagatgaaa	ggatgagaag	tgatctgagt	caaggatat
55441	ttagaaaagta	agttcagtta	agagttgttg	aggatagtca	tcattttcta	gagtttttat
55501	gaggcttaaa	taagattgga	tatcagaaag	ggttttataa	acactagaga	agtgtctcagc
55561	agagtaacagc	tgagttcaat	tcaaagggca	tttactgacc	atacactatg	cacctgccat
55621	tactctcact	gttttctctg	cactcggtag	ataaaactga	atttctgctc	ccaagggaact
55681	ttacagcagt	agagttgtgg	aagatagaca	taaaatgaa	tcactgcagc	ataatgcaca
55741	atatgataat	ggcatatgga	aggttctaaa	gaaaatgagt	taacttaaaa	ttctgagaag
55801	cagtagcttt	tgttgcaagc	ctttcttttc	ataggtaaaa	gatcacatta	gccccaaagg
55861	tattctgtag	gacaaatatg	agctaaaaat	gaactagaaa	atagctctag	gtgaaaaaca
55921	catcgaacac	agatattgct	gagttagtct	attaaagcca	catgtcattt	gcacttttgc
55981	cctacagtca	caaaacaaaa	gcaaatgaac	aagggaagaa	ggatcttcag	ccctctcaca
56041	taagtaacat	gaatcaataa	ggagtcatcc	tggagaccac	agaaaaccac	actcttcag
56101	ttagatcaca	tgaatagccc	caggatacaa	atccacagtg	aatgaagaaa	catagctaca
56161	gaattagaaa	cattattaag	gaaaattgat	ttgagtatac	ttcactaatg	ttagagggat
56221	aatattatat	tttaggttga	aatgtaataa	tttttttaat	tccaaagtgt	ctattaattt
56281	taaaataatac	atactttttg	ttacaaaata	ttatttttcc	ccttcatacc	actaatctct
56341	gtgaaaaagt	ttagaatgtg	acataaagg	tctaggttaa	tgaagtcttt	caatcaagca
56401	taaagacttc	tgctaatact	gtaaaaaccg	ccccttctac	ctacatggat	tcaatatatt
56461	tgttgcatta	tataagaaag	catttgtgta	ccacattttac	atatgagatg	tttatcagaa

FIGURE 2-P

56521	agaaagtggg	gctctgagga	gagggagatg	gggaacagaa	tcacttgaga	gtgaggattt
56581	atttccaatt	aattaacatg	cccacaagaa	tctgccatac	cccacatgaa	gaatcattgc
56641	tttaatatag	attgatgagt	tgataacggt	aatgagttga	tgactgtctc	tcaggatgtg
56701	tggggaacaa	aaaagtttga	gaaacaaata	cagtcataaa	gaactatatt	ctaataataa
56761	ggcgttacca	ttgctcctac	tttttaatgt	attatataca	ttattatata	atacttttta
56821	atgtatttaa	taaataatct	tcatagtgga	ttttcttaaa	acagagcttg	ccttttcatt
56881	aagtaattac	tccaaggagt	aattttaaaa	gaaaataagt	ctaactgagc	ttttgtgta
56941	acatgatagg	aactgataac	atttccattt	ttcttatgtc	acatagacta	aaactgttca
57001	gtttaaaaata	gttcaattac	ctccataagc	tttaagaaaa	ccttctttaa	taacatccta
57061	tgttttcaaa	gttaattggg	tactttcaca	tttttttcct	ttaaaacatt	atttagacagg
57121	acattttcatg	ggtaaagatt	agtgatgcaa	ttataaccacc	atctctgaat	gtcattcttt
57181	cttcactctcc	attgccattg	aagtccattt	tgtcatcttt	tatttcaact	acttcactag
57241	cttcctaaat	catcttttcta	ctattttatc	acttcatcag	tcagaaagaa	tgatctacct
57301	aaaacacgaa	tcccattgtg	ttactccctg	attaaaatct	gttcccccaa	gcctgcagct
57361	tggtgtaccct	ctgggaatga	cttaaaaggt	gtttcctgac	caggaccctg	cttacatttc
57421	cagctgcatt	tctcaccatt	cccttccctg	ctcacagtga	attaactcat	agttccccag
57481	gtgtgtcctg	gttcactcttc	tctcctggcc	attgagcagg	ctgcttcctt	tgccctaccag
57541	attctactct	tccacctcca	tttctacttg	taactcttgc	ccatcccttt	ggtcccattt
57601	gaggcttttc	ttcctcctaa	aaacctccta	tgtctgctat	aggatgagtt	atgccttatt
57661	cctttgtgtt	tctatggcac	tagtatctatg	gttatagtat	cttacttact	tacatatata
57721	ctctactaca	aactactaaa	taacagaaac	tatgtctttt	tatcattaga	attagtcaat
57781	cttcaatggc	agcgtacact	tgaagcttaa	caaaagttta	agtgaatgaa	tgtggtggac
57841	ctgtccaagg	tatgatgaga	ctttgagctc	atgtcctcta	attgttgacc	cacagtgggt
57901	tccactgtgc	tctactgtct	cccagtggca	tgaccttggt	ctccacactc	gttaactctt
57961	ggtcctcctc	ccattgtctg	tctacagtcc	tttgctttgg	gaaagctaga	ctaagtaagg
58021	caatatttta	aattaactaa	ttgcaagcca	agttttttgc	ctggatttga	gcttagcctt
58081	ccattcttgg	gggagctatt	cattacttaa	gaaaacctac	ctgtgactat	gcatgtaaga
58141	attctggcta	ggaataaaact	attgttcatg	attaaacagc	aatggtgcaa	gaggcatgag
58201	caggcctacc	tcagaaaaag	aagtggtaac	agattgctgt	actatgaaaa	cagcattctg
58261	gcataatatg	cctgaaagaa	agtcaccaaa	agttctttac	gctaacttag	tcaaaaacaa
58321	cacatacctt	aggtaagaaa	ttttcagaaa	aagtgttga	gggttagcta	atttatctct
58381	cacttgtttac	agaggaacat	cgaaggtaatt	cagctttcaa	aatgcaccta	aagatagaaa
58441	tcagattctt	cttggaatta	gaaactgtgg	ggagcatctt	tgattgttg	attgaactca
58501	tgttgtttta	catacattat	attctctttc	acaatatatt	gtgggtcatt	attctacaaa
58561	caacctctg	agtctcatat	gaaacctgca	gcaagttatg	gaagtggctt	ttatcattct
58621	tacaattgcc	ctaccattag	aaagggaacat	aataatttta	ttatagcaca	tactcctgga
58681	aagaccataa	acttttaata	gacttgtaaa	aaggagtggt	aaccttttca	atattctgtc
58741	tcattctattc	taccttctcc	tcacataata	cgaatgccct	agggcctaag	tcattggatct
58801	acacttgga	agaaaatggt	gagattcagc	cttttccctg	aatctgaagg	ttaccatgat
58861	ttagcaccca	ggaatagttt	ctgcctatcc	tttttctggt	tcttttgag	ctctgcaact
58921	tccagacttg	tggtctatgt	agagttgtga	tgacattccg	acttcatgtc	tatagctttc
58981	atttagggat	ttttaaatgt	cagcataaac	atcctacagc	gtttaaaagt	gtcttcacat
59041	caccacacat	attcattttc	agcatcatta	atgattacac	tttctgatta	ttttcctttc
59101	tctgctagac	tgtcaaacct	cttagtttac	ttcctaatat	tgatagcata	accagctcta
59161	agcatgactt	ctcaaacaag	atgtttgggt	aattttctgt	gtgtttttgt	tggtgttcat
59221	ttgatcgtct	caactttttg	ttgcaatgca	caacataacc	accttcttag	atcatggaca
59281	aagaaacaaa	caaaaatctt	tggaagacaaa	catggcagag	gaaaataaat	atcgcaaagg
59341	aagtgagtgc	ttccgaaaaa	caaagtggaa	acaaagtatg	aggaaccctc	gaaagcctca
59401	cagcataaga	aaagaactag	ctacttgaag	agtagacagt	ggctattaat	ttctatttct
59461	tgaaaaaaaa	ataccatttt	aaaattgtca	gggaccacaa	gaaactgttt	ttataatggt
59521	aatagttttt	ttaaatcaca	ataataaaaa	ttgaaagcat	aatattttac	atttatcagt
59581	tacttctgcc	tccaccactt	tccttaaaaa	aagtaggact	tttacagatg	aaagagcatt
59641	ttaatacaaa	ttttaaaatt	acccgaagac	aataaattat	ttcctaaaaa	gtgtattaaa
59701	tctttttggt	atgtctataa	atgataatct	agtctaagag	taacttatca	gcatttttgc
59761	agtccctccc	ccccatccac	tgaaaacttt	ctttactaga	ctcatgattt	tcaaaaattt
59821	aagaattaaa	tttgagtgaa	aggaactccg	aagatctgaa	aaagcctgtg	aactggatgt
59881	ccagaaagat	gtaaatacat	aattattgat	agaaaatttt	gggatgtttt	tcaaaagccc
59941	ccagaagtcc	ctctaaggaa	cccttagggg	tcataggaaa	gctcagtgtc	gggtagtgg
60001	ctcctaagag	cagagaaatg	ccctcctgtg	tgcatctcta	gatctggtag	agtttcagca
60061	ttcatagggg	tgctataaac	atttgttacg	ttgaatcatg	gaggataagt	atgtatatac
60121	tcgggtgttg	ttgttgctgt	tgtttgagat	agagtcttcc	tctgtcacct	aggctggagt
60181	gctgtggtgc	aatcttggtt	cactgcaaac	tccRcctccc	aggtttaagc	cattctccca
60241	ccacagcctc	ccaagtagct	agtgtaaagg	accatgcctg	gctaattttt	gtatcttttag

FIGURE 2-Q

60301	tagagacggg	atttcgctat	gctgcccagg	ctgggtctcaa	actcctgagt	tcaagtgatc
60361	cacccgcctt	ggcctcccaa	agtgcctagga	ttacaggcct	gagccactgt	gcctggaggg
60421	tatttttttt	ttaaaaagaa	gaatgtagta	tttaaaagt	catcatgcaa	ttaaacctca
60481	ttgattttga	gagcaaagga	gcaaagaaaa	atctggcaaa	tagcaaacct	actacttaaa
60541	gtaaaccttt	aggaacttaa	gcaggggctgc	tcaccaata	attctgctgg	gtacagaact
60601	gatgtggcct	ttaaattaca	gagtttatgt	ataataatta	acatccaggc	cttgacagaaa
60661	acaatattac	ctctgcagag	catatcattt	tctttattga	taaatgctct	ttactgaaaa
60721	cacaatgata	tgaggatggg	taggagtgcc	ttagagctct	ccttgaacat	gtatacacag
60781	tggttaagag	gagattcctt	gatgtggac	aaaaattcaa	gtctagtttg	attgttttag
60841	caacattaca	ggtaagcaaa	caaggcagga	atgcaaatta	ccaaaagagt	tatgcttctc
60901	agagattccc	caattttgtg	gcctctactt	atctcgaggc	aaagctgtct	gacagagatt
60961	ctgtcttctg	acatactcct	attcttttct	cttttttatt	cttctcttta	gtataaaatt
61021	tggtaaat	tagttaacag	aacatctcac	aagtccccac	cctgacttct	ttgcttattt
61081	catagaagga	atSctaaaaa	agaaaaatat	atattttttt	ctcccacagt	ttatggatta
61141	catcctatgc	agatgacacg	ttggataatc	tctttttttc	caggatgaaa	catatttaaga
61201	aaataaaaata	cactctcaca	aatgcccact	acctcaagat	aaataggtag	acctcaaat
61261	atctcagata	tcacctagga	gagaagaaat	aaaaatcaagt	atttggaaga	acctgacaga
61321	ataccttagc	catacctcag	cctttcagag	agcaacaggc	atgaaatgtt	ttagaaaaat
61381	aattttctgtt	cccttcccc	ttttcataaa	gtattctctc	tcagtgatcc	attcaaaaga
61441	ttaatagcac	tcattgtcta	aagtgttcaa	gataaaacat	gaaaacaaaa	accaaagcat
61501	ggattctact	agacaacaaa	acatgtctct	cctaagaatg	aacaattcaa	ccattccagc
61561	ttttcacacc	tgagaatctt	ggattcagtg	gattctgaat	atcccaatga	attaaaatta
61621	agatgaacct	ttctcttcag	gaatagaact	tgctaaaatt	agagataaat	gagttacata
61681	ttttcagtg	aatacatatt	cctattataa	gtcatatagg	gagtgaggct	cctaaaagca
61741	ggtggctaac	tctatctaca	acaaacattt	tgacaagctc	ccaccaacat	aatacatggc
61801	atcaaaacaa	tccgaaggca	attcaaacga	tagcttcacg	ttaagcagct	gaggcactgg
61861	gcaagcaaaa	tctaataga	ctatatattt	tctggaaggc	aattagtaaa	ctgctcatat
61921	tttgctgctg	aaagaataca	tcagcatgaa	cagatggaaa	tttagaactc	cacaaatgga
61981	attacagaca	ttgatttaac	tttccccaa	caaatgaaaa	ccacaaaata	cgaattgctc
62041	tttctataat	taagcacata	attagagtgc	atcagattca	tatccattgt	agctcatatt
62101	tcttctcct	catttctaaa	tttatatata	ttctgagtct	aacaaacct	cttagagttc
62161	aactccacac	tgaaagagtc	ttctatgaca	gatagatggt	actaaactat	ttctcaatt
62221	aagcctgcca	tgggtcacac	tagcttttct	acagcatgac	acatgcgcca	ataataagaa
62281	atccaaagac	tcaaagaggt	agtccttggt	gcaggacaga	tggagagaac	agctgagggg
62341	ggaattcagc	cagtttatta	actccatgtg	agtagaacia	atcatattta	aaagaattca
62401	taaggacatc	tggtcgaaaa	acagaattta	aatgatggca	gttttagaat	ggagaaaaga
62461	gaatcatgat	gtctcacagt	acaatatcac	tgagttacct	ctttgttttt	ctacttccag
62521	gaaacaaaag	gtcaccagtg	acctgcacac	agattataga	ccaaactggg	gRtggggact
62581	tgggaaatac	ttggactaat	tgtcaagttt	aaaatataca	agaaatacta	aaacatatta
62641	tggaaataaa	atcactaaca	tgctaaacat	tacagatact	tgaaattatt	cacattgtta
62701	attattcttt	tcctcattct	aggatacagt	agtttgtctt	acttgtgaaa	atatttaggg
62761	gaacttagat	aaaatttttg	tttgatatct	ctaaaatgct	agaaatgacc	tcagaaatct
62821	ttttgagaat	aagcccttta	taaaaacctc	caaataggct	tttcttgaga	aaactcaatt
62881	gatgtgcttt	atcaagtata	atagtatggt	tcatttataa	gctttccaag	ttgaaatcca
62941	aagtaataag	catgtttcaa	aaaaaatcta	aacaagtata	aatggggaaa	cttactaaaa
63001	ctgtgcacac	atatatagca	tcaagaaata	aactagcagt	aaaatccaag	gtcatattca
63061	gtgtgatagg	cactgcagat	cttttctatt	aataaaaagc	aacagaggct	ttttctacct
63121	atgaaatggt	tttttaaaag	agctttctta	ttattttagt	gaaatgaagt	ttttccttct
63181	taataaaaaat	tttcaaattt	ctacaaaaaa	aaatccttaa	gtaactcaag	ttttgcagtt
63241	tatgcttatt	taaatatttg	ataggatatt	tctgccactt	gagagttgct	attaaatttt
63301	atataataaa	cttcacttgc	aaactgactt	ccttctcaga	caaatcaaat	gacagcaaac
63361	aaaaataatg	cctattaact	attttaagta	cattactgta	ccctgtgggg	aaaatcagga
63421	aacaaaaaact	gtagtttcag	aatttcagat	ggattagtta	ttcagaaatt	gtcttgagga
63481	catgccctaa	ccttttgata	tcactcatca	aaggaaaatg	tgactcacia	agactttaat
63541	cccctttcct	cccaacggga	gatacagctt	gtatagagag	ctgtttgcat	ttataactca
63601	Yttaaatcat	gtcttccaga	tacttcaggt	ttaactcaca	gtgctacact	caaactaac
63661	aatttaataa	aaggattata	aatcaattga	agcaaaactt	tgcatatttt	attcaatggg
63721	ttatctccaa	acagtagata	tctactgatg	aactatttga	acattagatg	catcaaatcc
63781	atattcattg	tagctcatat	ttttccttat	catttctaaa	ttcatatata	ctgagtctaa
63841	caaagtacat	tgcttctagt	tataatcaaa	tatatttata	agtctattct	tcaccatggt
63901	gtttcaggaa	tttattatgg	attcaagaga	attcagtaaa	agacaactgg	ttaaagcaca
63961	gttaataaag	gtagaaacaa	tgcaaaaca	aactcattca	tggagtagat	ttaatagagc
64021	aagtaacaca	ggatattcat	aatcaaatga	tattagcttt	tacagtaaaa	atgtatttga

FIGURE 2-R

64081	gagaattaaa	agtcagtgat	aataaggaat	gagaataact	ccttcccatc	atcctcagtc
64141	atgtgaacta	tgctcaaagg	cttcagatgg	tcaataaatt	aatacatgaa	tctttaaaat
64201	ataaattaaa	tattttttatt	tagttgctat	agtaaataga	aagatttaat	ttatagttta
64261	aagattgtat	actttttatgt	ttagtatagc	aacttttagga	ttctttgggt	ttcagtaata
64321	atctatgcat	ttgggtaacc	aaacttagtc	agcttgggtca	ggactttttt	gtttatttat
64381	tttatttttat	tttatttttat	tttattttatt	ttttttaaga	cggctctact	ctgtctccca
64441	ggctggagtg	cagtggtgcg	atctcggctc	actgcaactt	ctgtctcccg	gggtcaagcg
64501	attctcctgc	ctcagccttc	ccagtaacctg	gcactacagg	tggtcaattt	ttgtattttt
64561	agtagagatg	gggttttgcc	gtgttggtgca	ggcccaaact	cctgatatca	agtgatccac
64621	ccgccttgcc	atcccaaagt	gctgggattta	caggtgtgag	ccactgtgcc	cagcaggaca
64681	ttattttata	ttcagtcaaa	taatagttta	aaaaatcatag	ctaaaagtgg	ataagcataa
64741	cttgcttaatt	atgattcaaa	gcagtttagtg	cacatctggt	tgaagattag	cagattctca
64801	ctgcagttta	gttataactg	attaacattt	caagggacat	aggatttcag	attctacagt
64861	caggaaacca	tacaccaaac	aagttaaaata	atcaagtaag	gtagataatt	catatttgga
64921	ggagtttatt	ttgtttcttc	aggagatgat	aagttatcaa	agattctcat	tcaatagaaa
64981	ttgtcttaaa	ctattagaaa	ctaccaaaga	acaataaaaag	cagggacctg	ttttttttc
65041	attttttggt	taaaaattca	atgctgaatc	actatcatct	aggctcagtg	ggaacacaaa
65101	gtgtgggttc	agtcaatatt	tatagaataa	gtgaataaat	actaaactgt	taacaaatag
65161	tcaaagctta	tgtgaataac	tctgttggtg	aaaaaagaga	aaagggttaag	aagtgaagaa
65221	gagataaaaa	aggaagaaat	aaaaaaggag	tgagtgaagag	gaaagtgaag	agttctttcc
65281	tagtgaaaga	ggtctttcct	atggcagcag	aagagtagat	ttacagcaac	ctaaaagaaa
65341	acagatggct	gaatcctttc	aYtccccctta	cgtacatgtg	gtccaacatt	gtctcaacaa
65401	gactgtagcc	ctacaaccaa	caatcgaaag	agtgacatca	acacataaaa	ggaaggaagt
65461	gcacattcag	tggaaccccc	aatgagaat	acgcttctgc	caagactatc	aggttggtat
65521	agtacttgcg	atgtcttgcc	aagaaatcat	gaaatacttg	aagaaattaa	ataattatta
65581	gggggatgct	tacttcactt	tactagggga	ggtcccttgag	tacctcttct	aacatctaaa
65641	gtcttctcct	ctccagagga	attgtgctcc	gttccctggg	tacttctcct	ttacttaggg
65701	atttcagaat	tgtgaataag	gaaagaatga	cctggtaagt	gccagccctg	gacacatttg
65761	cccacagatg	ctgtcctccc	cctttcttta	gttgctcttt	ttctcagggg	gctggactct
65821	attaggccat	atttcccaga	tttgtctgtc	agttgcctta	ggKttggtct	cagccaatag
65881	gaggagata	tcaccaggag	acagagggga	gaatctaggc	catttctccc	cacccttttc
65941	tcagataagca	gctgtatctt	acctgtgtta	gtgactctag	ctcccattgg	acaggccatt
66001	actacctggg	ctccagtaaa	tcgcccccta	gctctcaggt	tggtagtggc	ttcccatttt
66061	tgcttatctc	tgtgttggtc	caagagtgtc	tgcttttgac	ttctgcattg	caatatgaga
66121	acatccttat	ctctgacacc	tttaaataacc	ccttaggggc	tcactacttt	agatctctga
66181	tcagataagca	catgtctctc	ctgactRccc	agctggctct	gactgcttgg	ctcatatc
66241	tgcatcagct	gtctctctgg	aatgcccaga	tcaagctctg	gaacctgttc	tactttgacc
66301	acaggcttct	gattcccttc	tctctttctt	ctgatcccRt	ctagctctat	tccattcact
66361	tcactcatggt	tgtctggtcct	atagctgtctc	aaagttgaaa	agttgctact	ctgaatgctg
66421	atgttttctg	aactgcagga	caaaacctct	ctataattat	ctctaagttc	ccacttcaga
66481	tttaccttga	atagattttta	ggcataatag	gcatacacaa	tatcaaagtt	tacatatttg
66541	tgtcacaaaga	agattaaaaa	taaagtatat	ttcccacatg	attggtcatc	ccttccatgc
66601	atcctctttg	gtaatatcca	gtaagatata	atggcagaca	agaagatgga	taaaaaatg
66661	tcagatagta	actctgtcta	cagggcatgg	aatctatgat	ggccttgtaa	taaaatagct
66721	taatatagcc	aggttaaact	gtttctataa	attctttcac	cgtaggcaaa	aataacataa
66781	tccctaaagt	agtgaactag	taaataataa	taattaagca	tttaagacct	tcttaatcac
66841	tttacattat	aaacaaacag	taaatgtgta	atagtgttga	ctattctggg	ctcatgtttc
66901	ttaagtgttt	attttaattg	aacttcagca	ctaatacatg	taactgttac	tctgtttccc
66961	aggttatact	ctccctggga	atctgaagat	catgttggtt	aattcaggat	ctgtatcggt
67021	agattaaatt	cccacccaac	cctgtcccaa	ttcccaaatt	aatcttgagt	taggtgaaaa
67081	aataacaagc	aagctcagca	ctggccctgt	ttaccaaate	accttcacg	caaattgggt
67141	gaattagtta	caccttttct	cttagtctag	tggaggatgt	cgtgtgtcct	tagattccca
67201	aacaaaacat	gcccgctctc	tctctgtggt	ctacattata	gctggagtac	aatttccagg
67261	cctcatttcc	agcattctct	tctggaactt	tcatttggct	gccacacaga	aggccctatg
67321	tttcttgcca	gctgtcctct	gggttctcaa	gtaccccagg	ttcacctact	agagaaaaga
67381	attccaaaat	gccagctgcc	caagcagctc	tacctgcctc	tctgcccctg	ttccagaggt
67441	aagggtttcag	ccattaagaa	ctgtctctgg	gcactctctga	aacacagcct	tcaacacaat
67501	ggtctatctg	gttgatcacc	actggccatg	aagcttggcc	tcaacgcctg	tcccccttta
67561	ggggatgggt	ctaactctcag	gtctagctcc	ttccttttag	tcaagaattg	aggaatcatg
67621	aagtgttctc	tgactccata	tgtttgtagt	aggcttcttc	atgatgattt	atttgagttt
67681	tgatgtactt	ggttttggct	gaactcacat	ctccctctcc	tgctccctct	ccctatgcc
67741	ttgcaaggaa	caagaactac	aaaatggagc	cttttgtaag	gccgttgcac	tcaggagctt
67801	tcttgaagtg	ctctgaaatt	tctggcagaa	ataaagctat	ttaaaaaaa	tagttacagc

FIGURE 2-S

67861	ttatgttctt	cttcttctgt	gccctgagaa	atagttaatc	aactcttctt	tagcttggag
67921	ttcaccacaga	tgctccttaa	ggcttatctg	tagctccact	ctcagtggta	aagccaccac
67981	tggatccctag	caggggtgcct	aaactcagta	atgtggtaag	agataaggca	acaaagcttc
68041	atgaacattg	tattttcttc	caacagggca	caaggaagat	attaaactga	gttcccccca
68101	aaatcccaaa	aatctcttac	tgataatcaa	gatttgtgga	atctataatg	tgtctttatt
68161	ttggtttaaa	ctaatagacac	tagattttct	tctacctggc	aaagaagagg	taggtataca
68221	ttaaacaata	gaaaatgaaa	aaaatggacc	taaaatcatg	tgggaaatag	atcattgtca
68281	tcattgttca	aaaaagaaa	gttgtggaat	atttctgcaa	tttcctggcc	agctagtctt
68341	tttaccacaga	cgcataatc	tttttcaaat	atcaaaagat	agtaaagcta	tgcatgtaaa
68401	agtcataata	gtaatagtaa	ttataagtat	tataagggtg	agaataattt	acatgattct
68461	tactgactcc	caagcatttg	ctaagcactt	taacttttca	aaatctcaga	atgctatgct
68521	gtacacatga	taagaaagga	gaactttctt	agtttagaaa	actgagtgc	agaaaggtta
68581	agcaacttga	tcaaagcaaa	ttagtaatgg	gaagagcaga	aatttaaacc	taactcatct
68641	ttcatacctg	tgaagatgca	aataagtcaa	ccaattacat	ttgtgtgtaa	tattttggcc
68701	ctcttgatga	atactgaacc	agagtttagg	catcttctat	ttgtttcatg	aaaaagcatt
68761	gacattatac	acgattttgt	tggttctact	tgaaatcaca	ctttgttact	ctaaacatta
68821	tttgaataag	aagttgctaa	taatttgagc	agttatttca	aaatatttat	gtactattac
68881	tacacagatg	gattactctt	gagcttgcca	tccaattttt	aaaattttct	aactcatgtg
68941	tacatgacta	attttccctc	tcagaattat	gacaacattc	attcatatgc	tcttctctct
69001	tgatttttgt	actttggtag	tttgggaaac	atgataagat	agctcgtagt	ataactaata
69061	gcttagcaca	catagcatat	ctatactctt	ttgacttttc	ctctaaatat	caccttatca
69121	tagtttggtc	tttatccctc	atccacttgc	cattatttcc	atccaatgaa	acttattttt
69181	cttctctctc	atctttgaat	ttccttccct	ccctaacagc	atgtgagtta	cttgaaagct
69241	catttgatcag	aataaaaaatc	ccaattattt	gatacttcca	tttatttggg	ttataaagac
69301	atacgggggt	atattttgca	aaacagtctt	gtcagccccc	gcagaagata	tatcactata
69361	ttatagcttt	gccatgtgtc	catagagaaa	ggttatctta	tgtaaaccac	atgttcatat
69421	gcaataacag	agacatgaat	tctaaggata	ttgcagaaa	catagctgac	tactgattct
69481	agcaccttca	ggatctttct	cttcttagtt	gYgaccactg	taatgcactt	catagagtta
69541	taaattgttc	ttgccctggg	atcatgatct	ccatctcttc	actacaacat	gtctagatgt
69601	aagacatggt	tacccttgta	taatcaatga	tctgagtcta	gatgtcaagt	acttgcttgt
69661	tctgtgcatt	aactgtcttc	tttttctgga	actgcaggct	ctatcagatc	cttccccata
69721	aattcatata	tcctgccttg	ttactattcg	tgccccagca	tgaccaatat	caaatgtggt
69781	aagaaaaagg	ctccagctat	tttagtatcc	taaattttat	cttttcattc	tacaaagaag
69841	tttttcataa	aaagttaaaa	taaattttaa	aactcattga	tactattcag	taagatgtta
69901	tagattccaa	gcaactatct	cttttatagg	caacataatt	aaaagtgaat	tacaaatgca
69961	gactttatga	ctctaattaa	actcttagcc	acaatgcatt	aaaaacagat	tatacatatt
70021	aagtttagata	taagaaaaaa	taaatatgcc	acatagttag	gcataagtta	atatgcctca
70081	aaataaatga	ggagaaacaa	tttcagataa	tacataattt	tataaaatgt	ttatcaacat
70141	aacctaaaat	attttcttga	atttcatcag	agataaaaat	tttatactta	atttttgtaa
70201	acatacatat	catactttct	ctcacttact	tcactacttc	attccatccc	agaacatct
70261	gtgcaagtat	ttcccaagtg	tgggagactg	gaagagggtc	tatatatttg	ttgtaagaat
70321	atatattaat	ttttagaaca	ttataattaa	actcagaaat	atttaattgt	agggatatta
70381	tttggttaaga	atcaaaataa	atgactaaaa	attaacttga	ggcaacatga	aatctcaaca
70441	tcatttgtaa	actaagagag	cagatcttaa	acaaaatgta	gtgcagtctt	cacacttggg
70501	agattcatta	atcacttaag	tgttttctct	gaagttttta	aatgcttaaa	gattgggtta
70561	cattatgaaa	aggacctgtt	taatatgttg	tctgtaaagt	tcaattctac	ctagtcttca
70621	ctttctttcg	tatcttctct	agtgaagaat	gaagaaatga	gaattatgtg	tttgaatcta
70681	gcacctctga	catggaaaaa	cacatggtga	agcagaggaa	agaaaactga	aagaaagtga
70741	aaatatcttt	aagaatacYt	tggggaaaca	aacagtattt	caaatgaaag	attaagaaca
70801	aatccaaaca	aatggatttg	aagggtattat	gtaaaaaaat	atgagatgct	ttagcacagg
70861	tactctaaga	atttgagaag	cttctcatgt	ttaaggggaga	aggtaacatt	cctgatagaa
70921	acatttaaa	gcagtgcaga	aaggaaattc	tcacaggag	gcctatagaa	cacacatggg
70981	caacagcaag	cccccttgc	cctgctcagc	cctggatcca	tacagaggaa	aggagagagg
71041	taaagatgaa	agaaagaggt	tgaacagaa	atagtaaagt	gttgaaaaat	atttttaaaa
71101	tgaaaagagt	tatgcttctg	agaagattct	ccatgtctgg	gtatcagaca	tggagataca
71161	tacatactgat	caacctgaag	taatgtactt	actgaaatac	ccacttctag	ttcatcWagt
71221	tcattgcaagg	tttcacaaa	ccaccaatcg	ttttaatcat	cttataaaa	ctttctaatt
71281	gaaatattct	taagtatcac	attttactag	tggcagggtat	cttttcaaaa	aaaaaatata
71341	agctaagcaa	ctgtctctct	gttggttctt	accactaagt	ttgcattaga	agagactggc
71401	agtcaaacac	acaagaagaa	acacagatat	tggcaattta	acagaaacaa	atggtagtgt
71461	atcatggaca	tctaagggtt	gtaggactaa	atcataccct	cttctagtaa	gtcctgaaaa
71521	aatgtatttt	aaaacatatg	ttgaagaaaa	tagcttttag	aggggcagat	aataggcttt
71581	ggacttagaa	attttataaa	aatccattgt	gcattcttta	ggcttctagt	cctattcagt

FIGURE 2-T

71641	ttttgctatg	agctatgatt	tgtttggtga	agcaaagtaa	aggcagccta	tttcttaccg
71701	cctccacttc	ggctgggtca	taccagacgt	tgatgtaggg	atgctgtaag	gcgtcgtcca
71761	ctgatattct	ttttgctggg	tcaatcacta	gcattcttga	caacaagtcc	ctggcttggc
71821	tggtgaaac	aataaatgag	aaaaacaatt	agtaagattt	tgatttcagt	aaggaaattt
71881	gtcagagagg	aaattttaaga	aaacaaagta	tggaatagta	tcttccttcc	aaacatcagg
71941	taaatccctt	gatgtgatgg	aaaagaaaat	gcattttaca	cctgtttctt	tgtgtctcta
72001	agcctaaggc	ttcattctga	ggctctccaa	gggttgtaac	actttgggta	tataattatt
72061	cacgcaaac	tcttagtaaa	atgtatcaac	ctggagagtt	tatgtaagca	aagtcattct
72121	ctttggtaac	ctgcatgaat	ataggataaa	cagaataaag	agcacagagt	gcaaatgcat
72181	gatgttcaac	aaatgtgtgg	acggctggtt	gaagttaatc	aacacgtgtg	tctctatatt
72241	cttattttata	caacggaatt	atcagaattt	tagtatataa	attgacttaa	gagtttgtat
72301	catacaaatt	tttcttttct	ttttgttttt	gtttatttat	ttattttatt	atttttgaga
72361	caggggtatcc	ctctgttgcc	aggctggagt	gtagtggagt	gatcacagct	cactgcagcc
72421	tggaactcct	gcgctcaaag	gatcctccca	tcccagcttc	ccgagtaact	ggaactacag
72481	gcattgcacca	ccatgcctgg	ctatttttct	tttctttctt	tttttttgta	aagataagat
72541	ctccctacat	tgcccaagct	ggctctggaac	tctgggctca	aagatcctcc	cactcagcc
72601	tcccaaaatg	ctgggattaa	aggagtgagc	cactgctccc	agccacaaat	ttcttatata
72661	cataaaaaca	atcaaagaat	tgaagtata	gaaataatat	cattcaacta	ctgaatttta
72721	ttttaacatt	ctgtaatcat	caggatattt	taatcaatgg	aatcatgact	tgatgaaatc
72781	cagttagtta	agactgaagc	cagtctaatg	ctacaccaga	cactaatgag	aactctata
72841	ttatgtaaag	gttatcataa	ttaattttat	ggttgtgggc	agtaacagtt	ataaaattat
72901	atggtgatag	ctattttatt	agtaagattg	ttaaaagaca	cattaatttt	aacctctaaa
72961	aatatgtaaa	ttttttaaat	tattataact	taagttctgg	gatacatgtg	cacaacatgc
73021	aggtttgtaa	cataggtata	cacatggcat	agtggtttgc	tgacccacc	aacctgtcat
73081	ctacattagg	tatttctcct	aaagctatcc	ctcccctagt	cttttacata	aagttttaac
73141	agaaatgaat	atctcaaatc	aatattgtta	ctcaactgat	ctgaaagtgt	aacctgtaaa
73201	atattcagtt	tattctaaat	atatggtaaa	acatcaaatt	aaagataaca	aaatttaaat
73261	ggatttttca	aaaaatcaac	atagatgact	ctggatacat	atcaattttt	atttaataca
73321	tttttcagat	taaaacaact	tggtcaattc	tacaaatttg	aaaattatat	aaaatacaaa
73381	aWtcaggaaa	taatatctaa	ccccactagc	tagaggcaat	gactgtgatt	attggcatat
73441	tttttctagt	gccgttcatg	tatttttcac	gtaatatata	ccatactata	gttaaaatgt
73501	agcaattaat	tttttacctg	taagtatttt	cttggttaatt	acatcaataa	atatatcttt
73561	taattttctg	aacaaatatg	aaaaatcact	agttaaactt	gagaattttt	tatttctatt
73621	aatcattttt	ctgggaaact	caatcctaga	aactgattat	cattactttc	aaattaaaac
73681	tctgtaccgc	acaggaataa	caaaaataca	gaaatactta	tacattaatt	caatatttaa
73741	tttttctcat	tgccaatggc	ctcctaatag	cctaacaggg	ctgtgtttat	tattctattg
73801	ctttaaagac	ctctttaatt	tgtaactgat	tttacatcca	aattcatgta	ccattctcat
73861	aagattctct	catcaaatct	atccattttt	ctgctcttag	aaagggctgg	ggttagccgg
73921	gcgtggctgt	ggctgacacc	tgcaattccca	gcactttgga	aggccgaggc	aggcagacca
73981	cgaagtcagg	aggctcgagac	gatcctggct	accacgggtga	aaccccatct	ctactaaaaa
74041	tacaaaaaatt	agctgggcgt	gggtggcgggc	gcctgtagtc	ccagctactc	gggaggttga
74101	ggcaggagaa	tgagtgaaac	ctgggagacg	gagcttgacg	tgagcctaga	tccgtatccc
74161	gggcgacaga	gcgagactct	gtctcaaaaa	aaaaaaaaaa	aaaaaaaaaa	aagggctggg
74221	gtttacaatgg	attcttcatg	aatagggtca	tgaactacac	caatacaaaa	tcatcttgct
74281	aagaaacaat	actattttta	ggaaacaata	tgggaaaatg	tttcaatgct	ttatctttca
74341	ttctttcatt	tgaagcaaaa	tgtgttatgc	tcttttccaa	acacagtaga	atacattctt
74401	ctctttgggt	atttgtatat	taagattatt	tataatttgc	caattttata	ttaaaaaatta
74461	aattcaataa	tcaaatatgc	aaactagttt	atcattttaca	aacataattg	cagagattca
74521	aattgattta	aaaagtaaac	tcaagaaaat	tggaattaca	ttatgaagta	taatatatat
74581	ctattttttg	agacggagtc	ttgctcactc	tatctctagg	ctggaatgca	gttgcccgat
74641	ctcggctcac	tgcaacctct	tctctctagg	ttcaagcgac	tctcctgcct	cagcctcctg
74701	agtagctggg	actagaggtg	tgtgccacca	tgcccagcta	atttttttat	atttttagga
74761	gagacgcagt	ttcaccatgt	tggtccaggat	ggtctgtctc	gatttctctga	cctcttgatc
74821	ctcccgcctc	cgcttcccaa	agtgtgagg	ttacagactt	gagccaccgc	ccccggccct
74881	gaatatccag	acaattctaa	aatccgtggc	tactcccctt	tgtaggaacg	atctttgaag
74941	aaatatttct	ttactttgag	gctgtgccaa	ttaaagaatt	gatcaatggt	ttaggtgatg
75001	ggttatgcta	attgtctctga	tttgaccatt	atacctctat	acatgtttca	aaaataccac
75061	cctatatccc	acaaaaatgt	acgattatca	tgtgtcaact	aaaaataaaa	gggaacaaag
75121	agaaagagat	agaggtctct	atactgtgtg	cttgtttggc	ccgtcaccct	catagttgtc
75181	ctcaagtcac	tcctgaaggg	catacctttg	agtttattgt	gctcggagtc	cgctgggaag
75241	agggaaatctg	ggaagagttt	ggggaagggtg	agtcccgcac	acttgggccc	attctccaca
75301	tagtttctta	ctgtgggttg	caatttcttc	atgaattctg	gacatggtgt	tcctagttgt
75361	tcaattacct	tattccactg	gtcaatatct	gagaattgaa	cagttaaggg	aaaaaagaag

FIGURE 2-U

```
75421 agcagaccac tagcctttca acaattggga gactaactct tctcaaagtc ctcaacagtc
75481 attaatgcaa ctgtagtttt aataagcaac aaagaatgaa aatataaaat cagacttgca
75541 ggctatgagt cttcttgaaa ttttaaattc acttttgaâa cttatatact tttggaaaac
75601 tagcaattat ttaacaaaaat aagatatcat gaaatagtct ttggggtgta cagataaaaa
75661 gtcattcaga taacacaaga tgaatctcat attctgcaga taaacttcta tataaatcat
75721 gtgattcaga agaaaaatat ataatgacac atcatagtga cttttttatc ctgaagttac
75781 ctcaattatt tatattttta aaatgacaaa tacacaaata ttttagatta tattcattta
75841 cattttccta aactatcttt aagatatttt ttcttctcta aaaatctgga atttttttct
75901 atttttatgc atatcaacat aacttttata gtaaaacaac tcattagttc tttgtcagat
75961 tcctaaaaat catattttatt aaacaaagaa gccacctatt tcatacctat tgttttactg
76021 atgatatcac tgaatattgt tttcaatgaa atataagggg gaacagagga atattcaatt
76081 taaaacaaca gatttctatc caagtacatc caagttttaga aagtacatta agcatgggga
76141 ataccacaga aaaaatatta cctctctatg aaaattaata ccctttttaa ttggagctag
76201 ctctttttgc agacatactc aatgattgag attctctttt ttatctgtca ttaatattcg
76261 atatatcaga gccttgataa tgataaacac catctactct gaagaaYcaa ctggaaacaa
76321 ctgattttaa cagatttcct cgccatgtgc cagtgaataa tagagatctt ggaaattccc
76381 ttaaatccaa tactgcaagc agtattctct cctacattgc ttattcttct acaactgttc
76441 tttggtgtta agttagttaa ctcatttcca ctaaggtaag gtgtgacagt taagggactc
```

FIGURE 3-A

>3:184282401-184429700

1	gaagcgctga	gggccactca	ccggccaggg	acgcgaagag	cgcgcccgcc	gcgctgagct
61	gccggggcat	ggtgggcgct	gggcgaggtt	ctgcagcgtg	cggcgaRgtc	cgggcaggcc
121	ccgaatcgg	gccagagaaa	cctacctgtg	ccggagaaac	gaaaccacct	gcttatgaga
181	agcagccgaa	aagccccccc	agggccgctg	ggcggggagg	gaaactccgc	cgccccctc
241	ctacccttac	ggagcaggga	ggggcgggga	ctcggcgcag	ccgcccgggc	ccgggcctct
301	gggaccgttt	accgcacgcg	cgtgggtccc	gcagcgccgg	cctcctccgc	tcataacctg
361	ggtctcctcc	tttctttttc	tttctttttt	gagacgaagt	ctcgctctgt	cgcccagggt
421	ggagtgcagt	ggcgcgatct	cggctcacta	caacctctgc	ctcccggggt	caagcgattc
481	ttctgcctca	gcctccccag	tagctgggat	tacaggcatg	caccaccaca	ccgggcta
541	ttttgtat	ttagtagaga	cggggtgtca	ccatattggc	caggctgggc	tcgagctcct
601	gacctcgtga	ttcgcccgcc	tcgacctccc	aaagtgcctg	gattatagac	gtgagccacc
661	gagccccggc	aggggtcctc	cttttat	ttttcttttt	atttcttttg	ttttgttttg
721	ttttgttttg	ttttttgaga	caaagtctcg	ctctgtcgcc	aggctggagt	gcagtggcgg
781	gatctcggt	cactgcctcg	gttcaagcga	ttctcctgcc	gcagcctccc	gagtagctgg
841	ggttacaggc	gcccgcacc	acgcccagct	aatttttgta	ttttagtaga	gacggggttt
901	cacctgttg	gccaggctgg	tctcgatctc	ctgacctgtg	gatccgcccc	cctcggcctc
961	ccaaagtgtt	gggattacag	gcgtgagcca	ctgcgcccg	cccagggtct	cctcttttct
1021	aacagctcgg	gtacctttct	gggaacccag	agacgcttct	cagccgggag	aaagccagcc
1081	actaggcgag	caggagccta	aaaacccta	agcaccctga	ctccatgtct	tcacggggag
1141	tctgcggcag	ccgcgctcca	cgcccaggcc	tcgccaggac	cgcggtttgc	gggaagcaac
1201	aggagcacag	cccagaggcg	ctaggtctgg	ctgggagctc	gcgctgcga	ctccccggcg
1261	tgcggcgtcg	gggaacctct	aggagccttg	gattcttcag	ctgtaaaacg	gacataataa
1321	tgcccactcc	cagtgtgttt	ttttat	tttttctttt	ttctttcttt	gtttttgttt
1381	gtttgttttt	gtttttgttt	ttgagacagg	gtctcactct	gtcgcccagg	ctggagggca
1441	atggcgatgat	ctcggtcac	tgcaacttg	ggttcaggcg	attctcctgc	ctcagcctcc
1501	acagtagctg	ggattacaga	tgtgcgccac	cacgtccggc	taattttttg	tatttttagt
1561	agagaccagg	tttcaccgtg	ttggccaagc	tggtctcaaa	ctcctgaccc	cagggtgatcc
1621	gcccgcctcg	gccttccaaa	gatctgggat	tacaagcgtg	agccactgtg	cctggcccca
1681	ggtggtttta	cagaccagaa	aatcctggaa	caaaaaacac	acaatatcgt	tttttttttt
1741	tttttgaggt	cagggtctcg	ctctatcacc	caggctggag	tgagtggtcg	tgatctcggc
1801	tactgcaac	ttcgacctcc	tggcctcaag	tgagtctccc	accttagcct	cctgagtagc
1861	tgggacaaaa	ggcgcgtgcc	accacgcccc	gctat	tttattttat	gtagagagga
1921	ggtctcgctg	tggtgcccag	gctggtctcg	agttcctggc	ctcaaatgat	cctcctgcgt
1981	tagccaacca	ttgggattac	aggcgtaaag	cacggcccac	ggctcaacaa	cgctgacagg
2041	caacctttta	atgtcttata	tccttctctc	attaattgga	ttgtctgtca	aaacaacgat
2101	gttttgacag	ggcttgagtc	ccagtgggga	atacacattt	aagcagtata	ttaggaSacc
2161	ctccttatca	ctagattgag	ggctttcagc	ctagcctcaa	attattttct	gaaaaataac
2221	tttggtacata	actattttgt	cttactatgt	tgctccaaac	actaatcaag	taaaactaac
2281	caaagcttgc	agtgtgtttc	agaatggaat	ttttatggtg	aaaagtgagg	gttaacttgt
2341	gccagtcac	ctagtttcag	caactacctg	ctttctgatc	tttgagacag	tttattcaaa
2401	agacgataat	taagtgggta	tagactgtgt	gccaggcact	cttcttattc	catttaagcg
2461	ccatagccac	tctatatgga	cactgttgtt	attatcgctg	ccccatttcg	cagatggaga
2521	aactaagcac	aaagaaggga	gttgcccaga	gtcacttaga	taataaatac	cgaaacctga
2581	ccataaatct	tgtctgcctt	gagagtctag	gattttaagc	acatagccgg	gcgcagtggc
2641	tcacgcctgt	aatcccagca	ctttaggagg	ccgaggcggg	cggtacaga	ggtcaggaga
2701	tggagaccat	cctggctaac	acagtgaaac	ccagttctat	taaaaatata	aaaaaattag
2761	ccaggcggtg	tggcaggtgc	atgtagtccc	agctactcgg	gaggctgagg	caggagaatg
2821	gtgtgaaccc	aggaggtgga	gcttgacagt	agcgagatc	gcgccactgc	actccagccc
2881	ggcgacacaga	aggagactcc	gtctcaaaaa	aaaaaaaata	aataaaaata	agctgctcct
2941	cttaccctgg	aaattccaag	ggtatttagga	gctctgtttc	aggaaccagg	gtcaaagacc
3001	aagtattaaa	acaaaagatt	ctcctagaac	tctggcatat	aaggatttta	ggagctctgt
3061	cttagaaaact	gggacagaga	ccaaagatat	attattatat	cgcagtatca	tagtttatta
3121	ttttcaaaaa	acgttttctg	gctggtacag	tggttcatgc	ctataatcca	agcactttgg
3181	gagggccaag	tgggaggttc	acttgaggcc	agaagttcaa	gtccagcctg	ggcaaacacag
3241	ggagaccctg	ccactattaa	aaatttttta	aattagctgg	gcatggtggc	acatgcctgt
3301	agtcccagct	acttgggagg	ctgaagcagg	aggattgctt	gagcctgaga	ggtcaagact
3361	gtagtgagct	gcgatcaagc	gactgcactc	tagcctgggt	gacaaagcca	gacctgtgtg
3421	ctaaaaaaaa	gaaaagaaga	ggaaaaaaaa	aggtttttat	ttcaactaag	ttgtgggatt
3481	tatttagcata	aagcttttca	taacaatccc	ttgtcttaca	atatctgtag	tataggtagt

FIGURE 3-B

3541	gatgtcactt	cttttattac	taatattaat	aatttgtatt	ttctctctta	tttccctgct
3601	aatattaata	atttgtattt	tctctctttt	ttccctgata	agtttggctg	gaggttgatc
3661	aattctattc	atgttttcaa	gaaaaaaaa	aaaatttcat	ttcatcgagt	tccttcattg
3721	ttcttatgtt	ttctgtttta	ttcatttcta	cctgatcttt	attattttct	ttcttctact
3781	taacttgtgt	tttatttgct	cctctttcaa	tagttttcaa	agatggaact	tgcttgggat
3841	atcccagcac	tttaggaggc	tgaggtggga	ggatcacctg	aggtcaggag	ttcaagacca
3901	gcctggccaa	catggtgaaa	ctccgtctct	actaaaaata	caaaaattag	ctgggtgtgg
3961	tggtgggcac	ctgtgatccc	agctactcgg	gaggctgagg	caggagaatc	gcttgaacct
4021	gggaggtgga	ggttacagtg	agctgagatc	acgccactgc	actccagcct	gggtgacagg
4081	agctagactc	tgtctcaaaa	aaaaaaaaag	aaaaaaaaaa	agatggaagt	tgaggccagt
4141	gggtataaaat	ctttcttcat	ctctaataaa	caggtttact	gttatgaacg	tcctctaat
4201	tactacttta	gttggatccc	acaagtttaa	tatgttttca	ttttcatata	attagaaaga
4261	cttccataatt	tccttttgct	atctcctcga	ctcatgggta	tttaaaatag	cattatttca
4321	tttccaaaca	tatagttttt	cagatatctt	tcttttattg	atttttaatt	ccactgtggt
4381	tgaaaaacata	attatggact	taaactttac	aaattttattg	atatttggtt	tttgaccaag
4441	actatgggtg	gttaccattag	ttttcaggac	tgacataaca	aagtgcacac	gactggaaag
4501	ttaaaccaca	gacatttgct	ttcttataat	tctggaaacc	agacatgtga	gatcaaagtg
4561	tcagccgggt	tggttttttc	tttttctttt	tttttttttt	tttttgagac	agagtctctt
4621	tctgtcaccc	aggctgggat	gcagtgggtg	gatctcggct	tactgcaaat	tctgcctccc
4681	aggctcaagc	gattctcctg	cctcagcttc	ccgagtagct	gggattacag	gtgcctctca
4741	ctgcacctgg	ctaatttttg	tatttttagt	agagacgggg	tttcaccatg	ttggccaggt
4801	tgatctcaaa	ctcctgatct	caggtaatac	accgcctcog	gcctcccaaa	gtactgagat
4861	tacaggcgtg	agccactgca	cccggcccg	gttagttctt	tctaaggcct	ctctccttgg
4921	ctagtagaca	cctttgtttc	acatggtcat	ccctctgtgc	atgcctttgt	ctgtcctaata
4981	ctcctcttct	tataaggaca	ttagttaggt	aggattagtg	cctactcttt	gaactcgttt
5041	tacctcttaa	agaccctatc	tccgaatata	gtcacattct	gagatacttg	gggttaagac
5101	ttgtattagt	ccattttcac	gctgctcata	aagacatacc	tgagactggg	aagaaaaaga
5161	gggttaattg	gacaattcca	catggctggg	gaggcctcag	aatcatggtg	ggaggcgaaa
5221	gtgacttttt	acatgggtgg	ggcaagagaa	aatgaggaag	aagcaaaagc	agaaaccctt
5281	gatagataag	cccaccagat	atcatgagat	ttattcactg	tcatgagaac	agcacgggaa
5341	agaccagccc	ccatgaatac	attacctctt	ccttgggtccc	cccctcccca	caatatgttg
5401	ggattctggg	agatacaatt	aaaattgaga	tttgagtggg	gacacagcca	aaccatatca
5461	ttctgtccct	ggtccttcca	aatctcatgt	cctcacattt	caaaaccaat	catgcctttc
5521	caatagtccc	tcaaagtctt	aactcatttc	agcatthaacc	taaaagtcca	cagtccaaaag
5581	tctcatctga	gacaaggcct	tccgcctatg	agcctgtaca	atcaaaagca	agctagttag
5641	ttcctagata	caatgggggt	acaggttatg	ggtaaaataa	gccattccaa	atgggagaaa
5701	ttggccaaaa	caaaggggtt	acagggccca	tgcaagtctg	aaatccagtg	agggagtcaa
5761	attttaaagc	tccaaaatga	tctcctttga	ctccagggtct	tacatccagg	tcacgctaata
5821	gcaaaaggta	ggtttccatg	gtcttgggca	gctccacccc	tgtggctttg	cagggtacag
5881	cctccctcca	ggctgctttc	atgggctggt	gttgagtgtc	tgacagcttt	ccaggccacc
5941	agtgcgaagt	gtcagtggat	ctaccattct	gggggttggg	ggacaaaggc	cctcttctca
6001	cagctgcact	aggcagtggc	ccgataggga	ctctgtgtgg	gggctctgat	cccacatttc
6061	ccttctgcac	tgccctaaga	ggttctcctt	gagggcccca	cagcttccac	cctctgaacc
6121	atagcccaag	ctatgcattg	gccccttcoa	gccatggctg	gagcagctgg	gacagagggc
6181	accaagtcac	taggctgcac	acaacatggg	gaccctgggc	ctgccccaca	aaaccctttt
6241	ttcctcctgg	gcctccaagc	ctgtgatggg	agaggctgct	gtgaaggctc	ctgacatggc
6301	cttgagagaca	tttccccatg	gtcttgggga	ttcacattag	gcttcttgtc	acttatgcaa
6361	atthctgcaa	ccagcttgaa	tttctcccca	gaaaatgggt	ttttcttttc	tgtcacatag
6421	tcgggctgca	aatthtccaa	actthtatgc	tctgcttccc	ttataaaaact	gaacgccttt
6481	aatagcacc	aatcacctc	ttgaatgttt	tgctgcttag	aaatthtttc	caccagatac
6541	cctaaataat	ctctcaagtt	caaagttcca	caagtctcta	gggcaggggc	aaaatgtggc
6601	cagtctcttt	gctaaaacat	aacaagaggc	acctthgtct	cagttcccaa	aaagttcctc
6661	atctccatct	gagaccacct	cagcctggat	cttattgtcc	atatcactat	cagcattttg
6721	ggcaaaacca	ttcaacaagt	ctctaggaag	ttccaaactt	tcccacattt	tcctgtcttc
6781	ttctgagccc	ttcaaaactgt	tccaatctct	gcctgttacc	cagttccaaa	gttggtccac
6841	atthtcaggt	atcttcagca	acgtthtact	ctactggtag	caatthtact	tattagtcca
6901	ttttcacact	gctgataaag	acatattctga	gactgggaag	aaaaataggt	ttaatgggac
6961	ttacagttcc	acatggctgg	ggaggcctca	gaatcatggt	gagaggtgaa	aggcatttct
7021	tacgtggtag	tgacaagaga	aaatgaggaa	gaagcaaaag	cggaaacccc	tgataaatcc
7081	atcagatctc	atgagactta	ttcactatca	cgagaatagc	atgggaaaga	ccggccccc
7141	tgattcaatt	acctccccct	gggtccctcc	cacaacacat	gggaattctg	ggagatacaa
7201	ttcaagttga	gatttgggtg	gggacacagc	caaaccatat	caagacttct	acatatgaat

FIGURE 3-C

7261	tttggaggga	cacaatttaa	ctcataatag	tggactgtcY	tggtaaatgt	tctgtgtgca
7321	cttgagaaga	atgtgtgtat	tctctcattg	ttggattcag	tgacctataa	atgttaatta
7381	ggttaaacta	attgatgtag	ggaaaagaaa	gagagatcag	actgtcactg	tgctatgta
7441	gaaagggaa	acataagaga	ctccattttg	aaaaagacct	gtacttcaaa	caattgcttt
7501	gctgagatgt	taattttag	ctttgcccc	gccactttgc	cccagccact	ttgacccaac
7561	ttggagctca	caaaaacatg	tgttgtataa	aatcaagggt	taagggatct	agggctgtgc
7621	aggacgtgcc	ttgttaacaa	aatgtttaca	agcagtatac	ttgggtcaaa	tcacgcgat
7681	tctctagtct	caataaacca	ggggcacaat	gcactgcgga	aagctgcagg	gagccctgcc
7741	cttggaagcg	gggtattgtc	caagggttct	ccccatgtga	cagtctgaaa	tatggcctcg
7801	taggatgaga	aagacctgac	tgtccccag	cccaacaccc	ataaagggtc	tggtctgagg
7861	tggtattgta	aaagaggaaa	gcctcttaca	ggttgagatag	aggaaggcca	ctgtctcctg
7921	cctgcccctg	ggaactgaat	tctgttggtg	aaaaccgat	tgtaactttg	ttcaactctg
7981	aaataggaga	aaagctgccc	tgtggtggga	ggtgagacat	gtttgcagta	atgtctgctt
8041	gttattcttt	actccactga	gatgtttggg	tgagagaaaa	cataaatctg	gcctatgtgc
8101	acatccaggc	atagtacctt	cccttgaact	taattatgat	acagattctt	ttgtcacat
8161	gttttttgtt	gaccttctcc	tctgttctac	cctgctgtcc	tactacattg	cttttctgtg
8221	aaataatgaa	aaYaataatc	aataaaaaact	gagggaaactc	agaggctggt	gccggtacag
8281	gtccttggtg	tgctgagtg	cgggtccccg	gactcactgt	tgtttcttta	tactttgtct
8341	ctgtgtctta	ttctttttct	ccggctctca	tcccacccga	ctagaaatag	ccacaggtgt
8401	ggagggcgag	gccacccctt	caattgttag	tatggttcaa	gaacaaatgt	ttcaacttta
8461	ggatggttta	acttatgatt	tttcaacttt	agaatggtgt	gaagtctgta	tgcatctagt
8521	agaaggcata	ctttgaattt	ttatcttttc	ccaagctact	gctatgggac	aagatactct
8581	ctcacaaatc	tgggcagtg	cagcaagcct	cagcttccag	tcagcaccca	atcccaaggg
8641	taaacaaactg	atacagccat	tctgtttttc	atttttagca	aaatactcaa	taaatatcat
8701	gaggcactca	atgctttatt	ataagacaag	ctttgtatta	gatgatttgc	ccaactgtag
8761	gctaattgtag	gtgttctgag	cacatttaag	gtagactata	ctatgccatg	atgtttggaa
8821	ggttaggtaa	atttaatgca	ttttcgactt	agaatacttt	cagcctccca	aatagctggg
8881	accacaggtg	tgtggcacca	tgtgtggcta	attttttgtg	gagacaaggt	ctcactgtgt
8941	cgcccaagtt	ggtctcaaaa	tcctgacttc	acgtgatcct	tccactctgg	tctcccaaag
9001	tgcgattaca	ggtgtgagtc	accacacctg	gccgtgttgt	cacacatttt	aattctttat
9061	aaattagaaa	cttcacaaca	cattgttctt	atttaaaatt	taaacaaata	tctttaaata
9121	tacataatat	ataaatatgt	atataatata	taaatatata	caatatataa	atataaaga
9181	tatattatat	atataatata	taaatatata	atataataat	atataaatatg	taaatatata
9241	atatataaat	atatgtaaat	atgtaaatatg	taaatatgta	atatgtaaat	atataaatatg
9301	taaatatata	atatataaat	atacataata	tataaatata	taatatataa	atatataata
9361	tataaatata	taatatataa	atataatata	tataaatata	tattatataa	aatataataa
9421	tatacataaa	tatatataat	atataaatat	atataatata	cataaatata	taatatataa
9481	atatatataa	tatatataaa	tatatatggg	gaaaaaagct	tttataactta	ctcatgtgat
9541	taccgtttct	tgcatgtctt	attcctttgt	ttagatcctt	gggatttttg	ttgtatgggt
9601	gaccttagtt	ataccaggca	cttcaaatct	taccttgtgt	ttaggaWatg	ggcttgtttg
9661	cccaaaggtc	ttccctaagt	tctgtctccac	cttcaacttt	aggtcttctc	tgctgtcagt
9721	ttctctctcc	atacacttgt	agctctccca	ggagtattcc	atcgttactt	gttagtcaagt
9781	gcttatttagc	ggggtggtgg	gatctgagag	gtgaggtgct	tggttgtgat	tctcagttct
9841	gattccatgca	ggtactgtgt	ccctgggYct	tgaagggtat	gaccaagcSt	ctctgtccct
9901	ccccgcagca	gtagttttgg	gctcagcaca	tattcctgcc	ccttccccag	aatcagaggg
9961	ttttttgttg	ttgttgtttt	gtttttcaag	tttttgttcc	tttttctcca	tctgtgttgg
10021	atttaccagc	cccttaggag	cgtcagtatt	tgttaccctt	cctccaggct	tttaaggcct
10081	ttgtaggaga	gatgggcaa	tagcatctga	gcatggtttt	gtgtctttct	tgtagcaact
10141	gatattcctc	acccccaggt	ctatgccagg	aaggatgctt	ccttacatgc	ctgtaatccc
10201	agctaccggg	gaggctgaag	cagaagaatc	acttgaaccc	aggaggcaga	ggttgcaagt
10261	agccaagatc	atgccactgc	actccagcct	ggcaacagag	cgagacttca	ttcaaaaaaa
10321	aaaaaagctc	ttacactctt	ctgcaatatt	tgcaaagtat	actctgggaa	ggctggttta
10381	gaggatctct	aacttttcta	atatttcata	atgcatggct	gatgttttaac	atgaactcag
10441	actcccatca	gattttacag	atctgggtct	gcttttagtt	ctaagtcttc	agccagggga
10501	ctttaatctg	aggtcacagc	attcccaatt	gtcagcagta	ttttgaaatc	taagttcctc
10561	tggtggacaa	caggcaacat	catatagcca	cggaggatct	gaacaacttc	taagtctgag
10621	Sgattttatc	tggtggtttt	ggattctttt	ccattttatac	ttaaacaagg	tgacacaaat
10681	gtcactcaca	gaaaagccac	tcttttttcc	cctgttttta	agaagtctaa	aaatgcacaa
10741	ctatttcctg	aatgagcagt	gtgtccaggt	gtagaatagg	gaatgtcgtg	tccactggga
10801	acagacggtg	tacctggcac	aattttatga	gaattatccc	atgattcctg	tcccaccctg
10861	cagcccacca	tgggctcagt	ggggagtctg	agtctctgag	ccccaaaggg	tagctttttc
10921	ccagacgaca	ccagcaagca	gagcagcagc	ttggggcttt	gacaaggagg	ctggagtga

FIGURE 3-D

10981	agggtcatatt	ggaccatcct	ggRtcactgg	aggacaatac	cccaggaacc	tccagcaatg
11041	actggtattg	gaatgactcc	cctgggtcacc	cacctgtggc	aagacatttg	caaacagggg
11101	cttcctatga	ggcttgtgag	gtttggccaa	tttgcattct	gctagaatta	ttaatgatgg
11161	acatccctcat	agatccagaa	aagggccgag	atccaaagga	ttgagaatgc	tttggggggg
11221	gtttccatag	tgagtggctg	gctattcaac	agtcaaagt	ttgagaggat	acaagtgatg
11281	tgtttcctga	ggcaagtggg	cagaacccaa	cagactcttc	tgttcagcta	agatgagaga
11341	ccatctgaag	ttcttacatg	ttctcacaga	gaaatggatt	ctcataggga	aatggatata
11401	ttgtgataga	cactgtaagc	agagaagttg	actgagaaac	acacacacac	acacacacac
11461	acacacacac	gtcaagactg	aatgcataga	tggtgtattat	aaaaagYgta	aaaatacacc
11521	accattStaa	cagatttgtgt	aggactatat	tttctttttt	tttaatttat	tattattata
11581	ctttaagttt	tagggtagat	gtgcacaatg	tgtaggttag	ttacatatgt	atacatgtgc
11641	cattgctgtg	tgctgcaccc	atttaactcgt	catttagcat	taggtatagc	tcctaagtgc
11701	atccctcccc	ccttcccYca	ccccacacaa	gtccccagaa	tgggatgttc	cccttctgtg
11761	gtccatgtgt	tctcattgtt	caattcccac	ctatgagtga	gaatatgYgg	tgttttgttt
11821	tttgcctttg	caatagttta	ctgagaatga	tgatttccaa	tttcatccat	gtccctacaa
11881	aggacatgaa	ctcaccattt	tttatggctg	catagtattc	catgggtgat	atgtgcacac
11941	ttttcttaat	ccagtctatc	attgttggac	atttgggttg	gttccaagtc	tttgctattg
12001	tgaatagtgc	cacaataaac	ataYgtgtgc	atgtgtcttt	atagcagcat	gatttatagt
12061	cccttgggta	tatacccagt	aatgggatgg	ctgggtcaaa	tggtatttct	agttctagat
12121	ccttgaggaa	tcgccacact	gacttccaca	atggttgaac	tagtttacag	ttcccacac
12181	agtgtaaaag	tgttcctatt	tctccacatc	ctctccagca	cctgttgttt	cctgactttt
12241	taatgattgc	cattctaact	ggtgtgagat	ggtatctcac	tgtaggtttg	atttgcattt
12301	ctctgatggc	cagtgtgat	gagcattttt	tcattgtgtt	tttggctgca	tcagtgtctt
12361	acacgttcag	agaaacttct	ctagtgcaga	actatagaaa	tgatccctga	aagtatagtc
12421	ttaggactat	attttctttt	gacttgggag	gcatgtttat	tgctgttaat	gctgcaaagg
12481	gctctacgtg	ctttaaaaaa	tcccaatctg	ttgcattcat	aagcctgggt	tggtactaaa
12541	gcagcctccc	acttttggaa	aggcatcccc	acgacctttc	catggttgct	gaatgcagct
12601	ggaggcagtc	acagctgggtg	atgtccggag	cccatctccc	actgtgctgg	tctgcagaac
12661	ttctgcatgc	cattcccaca	agcagggtctc	tgccctgctc	tcctccacct	cccttgtcag
12721	aggaagtctg	cacttcacag	ctttctggtc	tcaaccctcc	tccatcccta	cagatgtgta
12781	agcagcagga	atcaaaaagg	gaaggagagg	gggcaactca	cctccgatgg	acacgtgaaa
12841	agtggagat	ggataaaatc	aagaaggagc	ttaaagatatc	cagaaatgta	aactgtgttt
12901	ggaaaagtaa	ggtcaggaga	agcatgggac	tcctgagggtt	gctccctact	atcttgcaga
12961	cttgctgcag	gaccaaata	agcaggatct	gtcaagcacc	agggccagct	cttaagctta
13021	gtgcctttct	gaaccctgtg	acccagcagc	ctccatcaac	tcgtcctacc	tgccatgcac
13081	agctcctctg	tgccctgtga	cctgagctca	tgctattccc	tctgccagta	tgccctgtct
13141	cttctccacc	aggagaagaa	cacttgccag	taagaccag	ttctaagtgc	accccttctt
13201	gacggtatca	ggaagagtca	gtgatgggtg	tttatgctcc	cagagaattt	gccacattgt
13261	gttgtgattt	tttttccaca	tctgtctccc	ccactggaat	gagagcctca	ctcatcttca
13321	tacctccctg	gtctctacct	ggtgccagaa	ccatcctcag	ggcaggggta	tgctcaggaa
13381	atagatatgg	aataaaaata	gtgtatccat	ccatccatcc	atccatcctt	ccatccatcc
13441	agacatatat	acatatgtaa	acattctgat	ggtcaaatgg	aacaatgtgg	gctgaagaat
13501	aatgcaggta	gaagaacctt	agattacaga	ttcttgattt	gggaggaaact	ttattttatt
13561	gtgcaaaacag	tctacaaatt	tgaacatac	tctatcaaga	aagacactgt	tgtagggaaa
13621	gggctgtggg	gagggtggcc	ccacaaaaca	gtgtaaagtt	ctaaagaatt	tgagagggaac
13681	actctgcggg	accctgttcc	aagggcactc	ttctaagagt	ctgtccctta	ggctctgccc
13741	cttttttgcc	acgttgtcaa	aggccttctt	tatgaacgaa	gtgagacaca	ttatttttgt
13801	tttcttgaat	tctaaagtga	ttgtcttgag	ttccctgggg	gagactcctg	ggagggtgtg
13861	cccactctat	tccagaaaca	aaccaggaga	ctgaagactc	atcccaatcc	catatcccat
13921	gaaaatgtga	aatcaaatca	cccctgacaa	ttccaaaact	aaYggaatcc	taacataact
13981	ctatgtaact	ctaaagctga	gtgtgctggg	aattaaagctt	ccagcccacc	cttcccagct
14041	ctggggtgca	gggtcacccat	gggctccttc	ctgtgtgcac	cccaccccac	ccccagctgc
14101	agcatcctgt	ctccaccctg	agagtgcacg	ctggttccag	tagcgggagt	tggttccagc
14161	ttgccatttt	cctagcactc	ctataaccag	cctgtgatg	cccattcaga	gacagcagca
14221	cgggctggcc	atgtcccctc	tccagaattc	tgctgccagc	tcctggacct	tgagctctga
14281	gcccttgggc	cacgtgtacM	attaatagt	cctcctctc	agaggactaa	ccccagccc
14341	tagggccacc	ttcatatttc	Ygagttttga	tattttcaac	ctcttttctt	tggtgtatga
14401	gtccttgggc	tgaggagcttg	cagtcaaaat	cttcatgata	tctcattatc	actacttttt
14461	tttaaatctc	tactagctgg	ataacaatta	tttatattaa	attctctctt	gaaataactg
14521	atacagtgtc	tcttgattga	aacttgacta	gtagactaag	aattctaact	ctaaataatt
14581	ctgaggggcg	ggtgtggtgg	ctcacacctg	taatcccagc	actttgggag	gccaacgcga
14641	atggatcacc	tgaggtcagg	agttggagac	cagcctggca	aacatggcga	aaccgggtca

FIGURE 3-E

14701	ggagatccag	accatcctgg	ctaacatggt	gaaacctcat	ctttacttaa	aaaaaaaaa
14761	aaatacaaaa	caaaattagc	caggcgtggt	ggcagatgcc	tgtagtccca	gctattcagg
14821	aggctgagac	aggagaatag	cgtgaacccg	ggagggtggag	cttgcaagtga	gccgagattg
14881	caccactgca	ctccagcctg	ggtgacagag	agagactccg	tctcaacaac	aacaacaaca
14941	aattagccgg	gcatggtggc	aggtgcctgt	aatctcaact	acttggggag	ctgaggtagg
15001	agaattgctt	gaacccggga	ggcggagggt	gcagtgaagc	aagattgagg	cacttcactc
15061	cagcctgggt	gacaagagca	aaactccatc	tcaaaaaaaa	aaaaaaagaa	aaaaaaatct
15121	gacaattaaa	taaagaacag	aaaaaaaatt	tgaatggcaa	atacaaagct	gaaaagaaat
15181	aactgagaat	aaataactct	gaaaaatagc	caaaaactaa	atacctcaaa	aactctttaa
15241	aaattcagaa	aatataatgt	tcaaatatga	agtaatgctg	aaaaatgaaat	aactaaaaaac
15301	caagtaactt	gaaaaaaaga	acataaaaaat	aaacaactca	aatataaaaat	aactgaaaaat
15361	aaatacctgt	gaacataaag	aactcgaaaa	ccagataaact	aggggaaacc	cttcattaaa
15421	acatttcact	ctgaaaataa	ataacttgac	agtagttcat	gaacttccag	tgagtgttta
15481	atagtcacaa	aagttactgt	aaaaataaat	aactcaaaaa	ctccaataag	ataaagttaa
15541	ataactatga	aggtaaataa	ctcagataat	aattgtaaag	ataattaaaa	ataaattccg
15601	gctggggcgc	gtgggtcagc	cctgtaatcc	cagcactttg	ggaggccgag	gcagggggat
15661	cacgaggtca	ggagatcgag	accatctggg	ctaacacggg	gaaaccccg	ctctactaaa
15721	aatccaaata	aaaaattagc	cgggcgtggt	ggcgggccc	tgtagtccca	gctactcagg
15781	aggctgaggc	aggagaatgg	cgtgaacccg	ggaggcgggt	tgcaagtga	cgagatcaca
15841	ccactgcact	ccagcctggg	cgacagagcg	agactccgtc	tcgaaaaata	aataaataaa
15901	taaaaaataa	aattccaagc	aaattaat	gaacatctgt	aactcctaaa	acaaaaaac
15961	tacataaaaa	taactgaaaa	tgaacaacta	aataactttg	aaaaataaagt	aactataaac
16021	cagtaactga	aactataaaa	ttaataaacc	agaaagctac	aaagaaatga	aatcaacta
16081	ataaaactaa	aaataaaata	caactgaaac	taacaaaact	catttaaaaa	ctaataaatc
16141	gatacataaa	atacctcaga	aagtaacttg	gaacgaactc	tctctacaac	gaagcaatc
16201	tggcactaac	acgaacaccc	catgaacgct	cgcagggatg	ctggggaggc	gaccgggagc
16261	tcccagtcgt	cggccccgc	cgggttKgag	cggctccggc	tcctccaagg	ctcgggctaa
16321	gcggtctctc	accgattccc	acccgcacct	ggagaaatgc	gggctgtctc	gcaggcattt
16381	ttgattgtca	cgatttgggg	gcgggggtga	ggatgggggt	gcgcattcct	ggcacttagt
16441	ggtagaggc	caggggtgct	actaaacatc	ctaccgtggg	agcacagaga	agccacgca
16501	gcaaagaatt	gcccggctcc	gaatatcgaa	gtgcgcggtc	gagaaggcgt	gggctgcggg
16561	ctctgctcgc	ctctgcaggc	gccttagagc	agctccgagg	tcccccgctc	ggagctaggc
16621	gcgcacccag	gacacccctc	gggctcctcg	gaggaggccc	tggttgtccc	cttctgccg
16681	cgcgcagggc	tcgggtgct	ttctgcgtag	ctgggcaggg	ccggggcccc	cacacgcct
16741	ctcccgggaa	tgccggcgct	ctggagccga	ggagcggggg	cgtccgcagg	gaggtcagct
16801	ctcctggggc	gaggtcctcg	ggcgacgcgc	cctcgccctg	aaaccagccg	tcgccccgc
16861	aggagccagc	cggcccgtgg	acgccccagc	gcgctcctcc	tcggtgctgc	gggtgcacct
16921	gcaattccga	gaagaaagtc	agagacggcg	tggcccaaa	aggcgcttag	tttttctctg
16981	ctcacactca	cgtttctctc	tcacgcggtt	cttctttttc	tccttggtcg	ctttctcccc
17041	tctccaggaa	agcagatttg	gaggaacagg	tttcgtgact	gtcgtccgac	tggaaaaggc
17101	ccgcgagctg	gaagggaggg	gacgggtgca	ccctcagagt	tattgtgga	ggctgtggcc
17161	agaccgggca	aggtggtgac	tcccgtggc	aggctgaggc	ccacccagc	cctccacct
17221	gggccaaggc	gctctcagcg	ggagccccag	ttatgaccgg	acaccagcgc	accgccaagg
17281	agacagccac	gtggggacat	gctggactag	gagggtcaga	gccagtttga	gggtctggtg
17341	acctcggtc	cctggcttaa	ccaggtcctt	atgggtgaga	atcctgagga	gggggagagg
17401	gatggaggct	agggacagga	ggcaggagga	gctgtgaat	aggaaggagg	gaagaagatg
17461	aaagaacaaa	aagggaagta	attacactca	gagcactgct	ctccttttcc	atgtcttctg
17521	cgcttccaca	gtcttcaaag	gtgtccatgg	agctaaactc	cctgctggag	cagccttagg
17581	gagagaaagg	gaaggatggg	gcctctgtgg	ggtgggagga	catccctctc	gccatggga
17641	gggtgtagca	ggcagtgctc	gttgacggca	cggctcctcc	catctctaac	tcctgctctc
17701	caagggcctg	cactgcgctg	ggctgtgagg	gggtctgtga	tctccaggct	gcttttccag
17761	cgccgagatg	ccgtaattca	ccgagaaggc	gcgtccacat	gctgttcatg	gccctacctc
17821	cccgttctct	caagaaaaaca	gtcattgttt	tttgtgtttg	ccagctctct	acccagctct
17881	ccttcccttc	ctcctccctc	gtctctttct	caacctcccc	tccttgctct	cttttctctc
17941	ccctaattaa	tgtccatttc	ccatctccct	ggcagcctct	gccaaagtgc	actgctcccc
18001	ataagggaaa	atcagaggaa	caagcaagtg	catccatcct	gcctctctct	gcagtgaact
18061	gattaattaa	tccatcagtc	ttgtctatgg	cgacacatgt	acatccctgt	ggcgggtgtg
18121	gacactgtgg	ggaacagcag	ccactgccaa	atactgaaca	actgcctgtg	gcctgggtgt
18181	atgttaggca	tttgtcaaa	tttaagcctc	acaaccctgt	aagggtctca	gcccccttta
18241	cagttgggga	aacagacagc	aatggtcact	tggccaagt	ctcttggtct	gtggcagggc
18301	agctgtcttc	tccagcactc	ctgctcttta	ccctcgctct	gagtgaagat	gagctctctg
18361	cccacatggc	tcacaagcca	gggtagggag	cagagcatct	gcagaaaggt	cccaacacag

FIGURE 3-F

18421	gacagcccca	gaccgaggg	cagctgagta	gtctacgcgg	cgggagccgt	gctaggaaa
18481	tgtctgctca	ggcgagaatt	cagggaggtt	tgggcaggac	ttgaggggca	gacaggactg
18541	gagagggagg	gcatttctgg	cagaggcatg	gccagagggc	ggtagggcgc	agtggaggga
18601	gctgcagtta	tctgggtgag	caggcagcac	aagtRgcgtc	tcctgggctg	ctgccccaa
18661	cccccaacaa	gccacgttct	gggccccagg	ccctccccag	agcagatcag	tgggggctgt
18721	gtgagtaaca	tgggggagg	ggggcagctg	ggcagcacct	ccctggaggc	ccctctgaaa
18781	tcctgcctga	ctctggcagg	ctccgagggg	gctggacacc	ctcctctcag	gttgaagcaa
18841	gtcctgggtg	agttcctagt	cccaggaggt	gggaggggca	aggggtggag	ggcagaggag
18901	aaactgcctc	agggatgtgc	cccctgcctt	catcctccag	acaggacttg	ggagcatcta
18961	aggaacccca	agactcctct	ttagagaagt	catccagccc	tgggggtccc	ttatgccagg
19021	agcaagcagt	gagaatggaa	gaatgattgt	cttgctgaaa	gttctgtgat	ggagggatag
19081	agggacagag	ggagccatgc	ccttgaccat	cccctgcatg	aataggaagg	gctgtgtctc
19141	cagggtccat	ggcctctgtg	ccccgagtg	tgccagggct	gctagggacc	atagagccac
19201	ccactgggag	gctggcggtt	gggcctggct	caggagcctt	cgtcagccat	aggcagccac
19261	agcctggggg	gggcagggct	gggagggcag	acaggaactg	aaaaacctga	caagctctag
19321	cccctccgca	gggtaagtgg	tacctccagg	taaaatgatt	agttKgttcc	agccccctg
19381	cagggtaagt	ggcacctggg	gtaaaatgac	tgccctggagc	tggcagctgc	tttccctgct
19441	ctcgcgggcc	ctgcagggaa	gcggggaagg	gaagggggca	cagcgctggg	cacagagggg
19501	ctctcagacc	ctggactcaa	ctgtttcagg	gtcatctgaa	acagtcaact	gtttcctcta
19561	gcccattccc	tgccctccagg	cgaggatttg	cctgaacgtg	gaaagaggaa	ggatcctccc
19621	agtgctgtca	accccgagtt	ccacgtccct	gtgggggact	gtcagcgtag	gccctgacaa
19681	cgcagagaaa	gacacaggac	ccacctgggc	cagtgcagag	aggagctccg	ggtgccacag
19741	gtgaggggtg	ggatgcctgg	agcaccacgg	ggggcctggt	ttagtctaga	gccaggtttt
19801	ccatacacct	tagagtgcac	cctcagggag	atgcaaattt	taccccttaa	cacagcatat
19861	acgcagaaac	acattttata	aattcaaaac	caagcggagc	gaacaatatt	tacccttaga
19921	gtgtgtgaag	tcctcatctg	tcccacctca	tcctatcatg	ctttgttcta	tcctaggaga
19981	caaagcagga	gggggggctg	cggaggtggg	ggagtctcat	ccaagccctt	gggtgacacg
20041	tctctcctga	gacaaactgc	agctgctctg	ggtgtgccct	cgcctgtctc	cctccaggcc
20101	ccgggttcct	gccagcagag	acagtaacct	attcaccagg	tatccccagc	ggctcctgga
20161	agaaactcag	aattctcaga	accagaaaac	cttagagagc	atcctgcagg	caaagcccct
20221	ggttctctgc	ggaggaaaag	gcggtccaca	gggtgccccg	ccagggatgg	taattgacca
20281	ccaggctgtg	tgccctgtgg	ggactggctt	aaggccctgt	gggagctgag	tcaggggcag
20341	gaccgggggtg	tcctgactcc	tagagatcat	gttcccttcc	tcaccaggcc	cttcagctcc
20401	cagccctggg	cttttattta	tttatttttg	agacagagtc	tggcttgtca	cccagggttg
20461	agtgcagttg	tgtgatcacg	gctcactgca	gccttgactt	cctgggttga	actgatcctc
20521	ccacatcagc	ctcctgagta	gctgggacca	caggcacatg	ccaccacacc	cagctaattt
20581	ttgtattttt	tggtagagat	ggggttttac	catgttggcc	aggctggtct	tgaactcctg
20641	agctcaactg	atctgcccac	ctcagcctcc	cacagtgtctg	ggattacaga	tgtgagccat
20701	catgcccacc	tcctgggctg	acttttgctg	tcttacatca	tctgcatatt	taatcccctg
20761	ctggattcac	tggctatggg	ctctgaggcc	ctaagagtct	taggcactaa	ggagctggca
20821	gcactgaggg	gacccccaaa	tctcagactc	aggatctggc	cagtcacagg	catgtgaggg
20881	aacaactgag	aggcccattg	ccccatggca	ggagaagggt	ctctggagtc	agtcagacct
20941	gagggcagtc	agacctgatt	ctcactctgt	cactcactag	ctgtgtgatc	ttggatacat
21001	cacttaacct	cttgagcatc	agcttcccta	tctctaaaat	ggagataata	acatcgattt
21061	tgcagtcttg	gtatgaggat	tagcaaatct	tctgataaag	aaaaatgcct	ggtacatcat
21121	aggaattcaa	caaatagtac	ctgttatgat	tattgtgtat	agcaattaca	ataatactaa
21181	agagaggggtc	tcaaaacagc	tctgggcact	ccagggtgtg	tattattact	tacatttcag
21241	ggaggtttgt	ctgccattgt	ctcatcctca	taaacactca	gggaaagaaa	cattataagg
21301	ataataaatg	gctttaaaaa	gaaacagagc	aaacacacac	acacacacac	ccctcagaaa
21361	aaccatgccca	aacacacagg	ctcttgacaa	atattcaatc	tgattatagc	aaaactgttt
21421	tgttttgttt	tgtttttttg	tttgtttttg	agacaggggt	ctcgctctgt	cgcccagggt
21481	ggagtgcagt	ggcgtgatct	tggctcacag	caacctcctt	ctcccgggtt	caagcaattc
21541	tcctgtctca	gcctccagag	tagctgggac	tacaggcaca	tgccactatg	cctggctaatt
21601	ttttgtattt	ttagtagaga	cagggtttca	ccatattggt	caggctggtc	tcgaactctt
21661	gatctcaggt	gatccacctg	ccttggcctc	ccaaagtgtg	agattacagg	cgtgagccac
21721	catgcccagc	tgattatagc	aaaattctaa	tgatagtgtg	tattcttgga	aaatgaatgg
21781	aacgactttt	gtcccagcca	agatctagtg	gtgtgttgga	gcagatacac	cctgagcttc
21841	tggggcactc	tcagtctatg	tatcagataa	gcataaggag	tattgttgga	gaaggacaag
21901	aatgggaaa	gtgggcatg	agaattcctg	cagataagga	ctggtgagag	tattctcttt
21961	tgaaccctt	agtcgacaa	ctttctgggt	catatcagat	aagctgaatg	gtttaggaaa
22021	tctagtgttc	acatttagtg	cttagaattc	taagcttttt	tattttgctt	aaacaaattg
22081	aatgaaattt	attaacaagt	gaacctagta	atgagctgaa	attattctca	ccagcatata

FIGURE 3-G

22141	tatTTTTggt	aaattataga	ctttgaagac	aaaatcatgg	tgtttccctt	actgtccagt
22201	ggatggcaca	aagagaccat	tgtagatcct	gctgggtcag	cggtagctct	caatccatag
22261	atattaaatg	ggcaaattct	atTTTTattg	tctttcaaac	tagatTTTTc	tcaatgcaca
22321	actTTTTttt	tctTTTTtct	TTTTTTTTtt	gagacggagt	ctcgctctat	tgccaggctg
22381	gagtgcagtg	acacgatctc	ggctcactgc	aacctccgcc	tcccgggttc	aagtgattct
22441	cctgcctcag	cctcctgagt	agctggggac	tacaggcgca	tgccaccatg	cccagctaata
22501	TTTTTgttaa	tatcagtaga	gacaggggtt	caccatgttg	gccaggatgg	tctcgatctc
22561	ctgaccacgt	gatccgcccc	ccttggcctt	ccaaagtgct	gggattacag	gcgtaagcca
22621	ccgcgcttgg	ccaattatgc	acaactTTTT	aaggaccatc	tctatcacat	gaactaaagg
22681	atatcatttt	cacttggggg	tgggaagtgg	tgagctgctt	aaaagcaatg	cctaaacccc
22741	ctgggctttc	cttcctttca	cttgggaagaa	ccagggggta	actaactgct	aacaattcca
22801	tgctttcaga	gatctaggcg	caagcctaag	ggcttcactc	catttaactc	ctatggcaag
22861	actgtacagt	attatctcca	TTTTgtaaaa	tgaatgataa	aaagaactta	agcacagaca
22921	ggctatagaa	tccatccaaa	gagatggagc	tgacttgtag	gctgggtctt	tgagacctga
22981	gtttgagccc	ttcatcattg	tgttgtgtgt	gctgctaacc	aatttcccct	ctctgtcttc
23041	taggatttaa	tacatgggtg	cacattctgt	ctgatccatc	ccagtagctc	tcagagctc
23101	ccaacaggag	agagttccaa	aatgtttcca	ggggtactag	gctcggttac	aatatTTTgc
23161	ttggtggccc	agagtataaa	cgtggatata	ttaggctggg	ctatagctga	aacgtctatt
23221	tcatTTgcaa	gcctatcttt	ggctaagagg	aagtgaatca	ttcttgagaa	catctaatta
23281	attgctttca	gattccacat	gttgacattc	tcagggcaca	TTTTTTTTtt	ccgtgcaatt
23341	tctgttgtca	aagtccctgc	cagctcctaa	ggcagtctga	gctggctgtc	ttagactttc
23401	agagctgctg	gaagcttggg	ggaggggagg	gctgtaggtc	aaagaaactt	tataacctag
23461	ctttacctcc	cagctcagcc	accagctgcc	ctcaaatgtt	ctggattgga	ataagcccaa
23521	agatgagtgg	caggagggaa	gggcaagcca	atagctctag	tttggttcag	tcaaagcctt
23581	gccattttca	tcagaatttt	aatggaaaaa	ttccaataag	attaaaaatat	aaggtcaccc
23641	caatttttagt	atggctccat	ttaaaaaaaa	tcatgcataat	ctttgttttg	caatggggcc
23701	ttactcttgc	ccaggagagg	tgcggtggta	caatcatggc	ttacggcgagc	ctcaacctcc
23761	tgagctcaag	caatcctttc	accttggcct	gccaaatagc	taggattaca	gacaccaccc
23821	accatgcccc	gctaattttt	aaaaaaaatt	TTTTgtaggt	ccagtgcagt	ggctcatgcc
23881	tgtaaatctc	agcactttgg	gaggccgagg	caagcggatc	acctgaggtc	aggagtttga
23941	gaccagcctg	gccacaatgg	tgaactggcc	gtctctacta	aaaacacaaa	aattagcgag
24001	gtgtgggtgg	gggcacctgt	aatcccagct	actcgggaga	ctgaagcagc	agaatcaatt
24061	gaacctggga	ggtggagggt	gcagtgcagcc	aagttcgtgc	cattgcactc	cagcctgggc
24121	aacaagagtg	aaactccgtc	tcaaaagttt	ttgtggagat	ggggtcttgc	gatattgcc
24181	aggctgggtc	caagctcctg	gatatacaagt	gatcctcctg	ctttggcttc	ccaaagtgtt
24241	gggattacag	gcatgagcca	ccacaactga	ccaaatcatg	catttctata	gacaacctct
24301	gcaagaagat	attaatggtg	attatatctg	gttatgttgg	atttgtattt	ttatttgtac
24361	tttctgttat	tttctaaatt	cctgacattc	tacatgtgta	ctcctttaat	aatcagaaaa
24421	ggaacttaaa	aatagttaaa	accaattggg	cagatatgta	aaataaccca	ccatctctcc
24481	agagagggct	gtttgctaga	acttattttc	ttcattgaaa	tactagagtg	cccaataaag
24541	tttgaataac	acaaaaaaa	agataattgaa	agtaactaaa	ttatctaggc	ccaaaaggaa
24601	atgccacaaa	aattggcaaa	gaaacaacca	tgacgtgcta	taccggatag	ctcctaggcc
24661	cccttgagga	ccctgaggta	cccagcaggg	gacctgtagt	aaggctggca	gacaggttct
24721	tcctctgtta	gctctgaggt	acaacagtta	ttctcatttt	tatgtctttc	acatggccag
24781	aactttgcaa	atcagaggca	aagtgaattc	agaattaaaa	attttcagca	ccatccaagt
24841	cagtaaaaca	gtcttagctt	ataaccttta	TTTTTTTTat	tattttatta	TTTTTTTTatt
24901	tttggatgga	gtcttgctct	gtttccaggc	tggagtgcag	tggcatcatc	tcRgtcact
24961	gcaacctccg	cttctgagt	ccaagtgatt	ctcctgcctc	agcctccoga	gtagctggga
25021	cgacaggcat	gcgccaccac	gcccagccaa	TTTTtgattt	tttagtagag	acgggggttc
25081	accatgttgg	ccaagatggg	ctcaatctct	tgacctcctg	atcctccgc	ctcggcctcc
25141	caaagtgtctg	ggattacagg	cgtgagccac	cgcgccagc	cctttatttt	tactgtaagc
25201	tgccagtaaa	cagcacaccc	acctgtctgc	tgactgtccc	atctggaagt	tgtgtaggtc
25261	cttactgaat	cttaccttct	tccttcccc	tacccagacc	ccatcccagc	tggcacgtgg
25321	aatcctttcc	ctttctcctc	atgtcaatag	accagcaggc	aaagagagca	gttaccatag
25381	tggaaggaga	aacgggtcct	agtcgtgggt	aggaggtagg	gctgctgctt	aacaRaggcc
25441	gagagggaca	tgtctgatgc	tcagtgatgc	cactaggaca	tctcgcaata	ctccatgcc
25501	cagctgtaac	tatgatggcc	aagtccaaga	accatagcct	gataagagtc	taggaccccc
25561	actatacatg	ccaccagtag	aagtgcctga	tggggagagg	gatgtctaga	atgagtagga
25621	gggaatgatg	acaaagcaca	gccaaggacc	aactgcagtg	gcaggtggca	gccacagatt
25681	gagttaagta	ggattcttgc	tgtgttccct	agtggaaagca	tctcccttgt	tgagaccac
25741	tgagggttaa	gttgagaca	tggggagaaa	acaatgtccc	cgtgttcac	actagagtca
25801	tgatgggcaa	ggtcacaaact	catttgactt	cttggctccc	agattcatat	actctgcctc

FIGURE 3-H

25861	ttggggggcac	ttcaccataa	tacagccatt	ggttcagttg	tatgctgcat	cctgagggac
25921	agcactccat	ccccgcagtg	ccatgtccaa	actgctgccc	cgcctcactc	tcaagaggct
25981	gtcccactac	tctgtcaggc	accagcttct	gaatgcagtg	gtaagactct	gtcctgtgat
26041	cacgtctatg	gctgattctc	ttttgccata	ctgagtcccc	tgatcaaagc	agtgttatac
26101	agcctggcgc	gctggctcat	gcctgtgata	ccagcactct	gggaggcaga	gggggatgga
26161	tcactagagg	tcaggagttc	aagaccagcc	tggtcaacat	ggtgaaaccc	tgtctcctct
26221	actaaaaatt	caaaaattag	ctgggtgtgg	catgagcctg	taatcccagc	tactcggaag
26281	gctgaggcag	gagaatcact	tgcacccagg	aggtggaggt	tgcatgtatc	cctgatgggt
26341	ccgttgccact	ccagcctgag	cgacaagtgt	gaaactctat	cgcaaaaaaa	aaaagcaacg
26401	cttatgattg	atcacacact	gtactttcta	acctgaaggg	gtctggtaaa	atcaacttgt
26461	cttctcaagg	gacagtacca	aactgggggc	tcagcactga	cctctgctgg	catgtcggac
26521	atttaaaagt	ggtagcagct	agagcagctc	tgaagacatg	gagccctcac	tgctggggcc
26581	gagcactgct	gggttcaatt	ctgcttccaa	ggcttctcca	tttccgagcc	catggtgcag
26641	gcactggggt	gcctaagagg	aagtgcacta	actggacttc	tgctatgcac	cttctttagg
26701	gggcattaaa	gcacagttca	aagactctca	catttttagt	taacccccac	aggcctgtgt
26761	gccccttctc	cagtcaggtc	atggtgtcat	ttgacccatg	ttattatttc	gaaaggggtc
26821	aggaaggagg	gtggggacag	atcttgRaaa	gggcaaacat	tgccctgtat	gcctcatctg
26881	aggcttccgc	atagtccttag	gggactggga	accgtcttaa	gtgaatctca	ccttcttccc
26941	ttcccccagc	caggccctag	ccctactggc	atgaggaatc	ctatctcttt	gtcctcatgc
27001	caggagacca	gcaggcaaaag	agagcagtta	ccatactgga	aggagaaatg	ggctctgggt
27061	atcagaagga	ggtactcctc	aagggaacag	acctgagggg	gacacttcca	ctaggggaaca
27121	cagcaagaat	cctacttaac	taaactctacg	gctgccgcct	gctgctacag	ttggtccttg
27181	gctgtacttt	gtagtacaag	gcgaagttag	ccactgctgc	cagcccagga	ggtcaagggc
27241	atttacccag	acatcctcat	tcccagtttt	tgggtccctt	atcttccctc	tcaggatcta
27301	atgactcatc	tactggcact	aggagtccaa	aatgaccaga	tggcagactc	gcctaggctg
27361	agaattcttc	cttctctcaa	attctgccac	ttttaccagc	ccagtctgcc	tctgctgtag
27421	gagatgagag	gctaaatggt	ggcagggagg	ccccctgatt	ctgatcctgt	gttttaaadc
27481	gataattagt	cYgaccctgt	tactttctcc	cttcagtgca	tcaacgggag	gctcttagca
27541	acagcctccc	aactctacct	tctgtataga	taatatcttc	ctcaaagctc	ctaaatgcta
27601	gagacattgc	accagctggY	gtgtccccat	ccacctgtat	ctgatcccag	gtcaccacag
27661	gtgaagggtc	gagcaatYga	actgtctacag	caggccaggt	accaggactc	tcaRcacgcc
27721	acttaacacc	aataatgagg	tcctcatggc	catttggcct	gcagtgagcc	aacaccagaa
27781	tcccattccat	tctgggaccc	ctcctgtctac	taacggctct	cagtcagggt	cccagaagc
27841	agattatgca	aatgtgttat	tgaaaaaacgg	ctttcagatg	aaacctggaa	gacagtgaag
27901	gccgaagcta	gggcagggaa	gaagccaggc	acagacgtgg	gcttagcaga	agtctagcat
27961	cagcctgatc	ccctgggcag	tactggagca	tggtggcac	cacaggttac	catcttgaga
28021	cagaaggact	ggcttctgta	ccctgaatca	gtaagccatt	gggtggccat	aagccacct
28081	tagggggagga	cataacctca	caggcatttc	ctggctggac	gaccctgggc	agctgagggc
28141	aactgcctga	agggcacaaac	ggtagccat	tgctagctaa	cctcacagca	gcagagacat
28201	ggggccaaca	gcctataaaag	agggctctggg	caggctgtca	atactctcta	ctgtaatact
28261	gtatatgtgg	tttatttttaa	aaactttttt	agaaggcttt	attttatttt	attttttgag
28321	aaggagtttc	gcccttggtg	cccaggctgg	agtgcaatgg	cgcgatcttg	actcaccaca
28381	atctctgcct	cctgggttca	aggaattctc	ctgcctcagc	ctcccagta	gctgggatta
28441	caggcgtgta	ccaccatgcc	cggctaattt	tttgtatttt	tagtttctac	atgttgccct
28501	ggctagtctt	caactcctga	cctcaggtga	tccgccacc	tccgcctccc	aaagtgtctg
28561	gattacaggc	gtgagccacc	gcacccggct	gactttattt	tttttagagca	gttttagggt
28621	cacagaaaaa	ctgagaggaa	ggtacaaaga	tttcccatat	atcccctgtg	ctcacacatg
28681	catggcctcc	ctatcaccat	ccccaccag	agaggcacat	ttgttacaat	ggatgaacgt
28741	atacactgaa	tatatcatat	tcacccaaag	tctgtagctc	acatcatggt	tcactttggc
28801	tggtgtacat	tccttggtac	tagacacttt	tataatgaca	ggtacagtag	ttccccttta
28861	tcctcagggg	ctacttccaa	gatccccagt	ggatgcccga	aaccgcagag	agtgccaaac
28921	ttgactgcca	tcagtgggaa	tatgtttcta	ttcgcttccc	accaccaccg	gtttaacgcc
28981	tttttcatct	tagtgctgct	gccgtaaact	tggcagtttg	agatgcgaca	gcaaaatgag
29041	tacaaatttc	tttctccttc	ttcacaatgt	catggacaga	tgattccttc	ttaccataga
29101	tcttagcaac	ctcggtgtgt	gatttttttt	ctttcttggt	aaatcaactt	tcaccttttc
29161	acttaaagga	agcatttgac	ggcttctctt	tggcatatct	gaatttccag	catcacgact
29221	gtgcttttgg	gccattgttt	gtttatttat	ttattttatt	tattttattt	tttgagacag
29281	agtctcgctc	tggtgcccag	gctggagtgc	agtggcgtga	tctcggtcca	ctgcaagctc
29341	cgccctcccag	gttgacgcca	ttctcctgcc	tcagcctccc	gagtagctgg	gactacaggc
29401	gcccaccacc	aagcgcagct	aatttttttt	tttttttgta	tttttagtag	agatgggggt
29461	tcactgtggt	agccaggggt	atctcgatct	cctgacctcg	tgatcctccc	gcctcagcct
29521	cccaaagtgc	cgggattaca	ggcatgagta	ttttatttat	ttattttatt	tttcagacag

FIGURE 3-I

29581	agtctcactc	tgtcggccag	gctggagtgc	agtggcacca	tctcgtcac	tgcaacctcc
29641	gcctcccagg	ttcaagcaat	tctctgcctc	aaactccgga	gtagctagaa	ttacaggtgc
29701	acaccaccac	gcccggctRa	tttttgtatt	tttagtagag	acaaggtttc	accatcttgg
29761	ccaggctggt	cttaaaactcc	tgacctcagg	tgatccaccc	acctcggcct	cccaaagtgc
29821	tggtattata	ggcgtgagcc	accgtgcttg	gccttggggc	cattattaag	taaaataaga
29881	gtcacttgaa	cacaaacact	gtgatcctaa	cagtcgattt	aatcaccaag	atggctataa
29941	gtgactaagg	ctggcggggt	ggggagcaca	gacagcaggg	acacctgga	caaggggata
30001	attcgtgtac	caagcaagac	acagcggaag	gcgccagatt	tcatcgcact	actcagaatg
30061	gcatatcatt	taaaactcat	cgattgttta	tttctgtaat	ttttccattt	gatatttggg
30121	cagcagttga	ctaagagtaa	ctaaaacctg	gaaagtgaag	cagtggataa	gggggtgctc
30181	ctgtacttct	caatgtgaga	catttgccct	tcattgtta	tctgccccat	tagYtctaca
30241	caaatgaata	gcaggaaatt	gattttaaac	cacatgggtg	taaaatgctt	tcttttttct
30301	ccctcattta	actaaagaag	ggctgggccc	taggtgatgt	cttccttagc	atctaagcag
30361	ctggcatcac	cccactgctt	ctgtgctcca	ctctcccatg	ggacctccc	tacctttaat
30421	ccctcctgtg	ctggaggccg	ggtcttcctt	gctagtggta	gctctttcca	tatttttaat
30481	ccatggtccg	gatcctgtct	cactgccttt	gctttagaga	aataaacatg	aatattgagt
30541	cacttgaagg	aatgacacac	gcattgcctc	cccaccagtt	ggagtaacgc	tggcccacct
30601	agtgtatctc	tggtctaggt	ctcgaggacc	tgctgtcctc	ccctcacctg	tagttgaaga
30661	cctgcctcag	gtcagtaggt	gatacgcagt	aaggaaatgt	ccaaaggaca	cttcttgttg
30721	gattacacag	caaacatcta	attggctgca	aatctttttt	tcttttttct	tcttttttct
30781	tttgagacag	agtctcgctc	tgttgccagc	gctggagtgc	agtggcgcaa	tcttggctca
30841	ctgcaagctc	tgccacctgg	gttgacgcca	ttctcctgcc	tcagcctccc	aagtagctgg
30901	gactacatgc	gtgtgccacc	acaccagct	aatttttcta	tttttagtag	agacgaggtt
30961	tcaccatggt	ggccaggatg	gtcttgatct	cttgaccttg	tgatccgcct	gccttggcct
31021	cccaaagtgc	tggtattaca	tgggtacaaa	tcttaaaggg	ggaagagatg	aggaggaata
31081	atcccccttg	tcttctcaaa	aatgttttca	ctggctcact	acagctccct	ccttctctct
31141	tactgaccca	aaatgccaac	tattatagta	actcttttgg	gttagacgaa	tccagtgaat
31201	aaacacctac	taagcattgg	aggccaaga	ggaataagat	atgcctgagc	taaacctcat
31261	cacccccggc	cttgcttgca	gagtggcttg	ctggcctcat	ctgattattc	aatgagtgtc
31321	ttcatttgtt	tattcactaa	atatttactg	agcacctaca	aaagtgcctg	gccttggtag
31381	atgaggcctg	agggaaagct	aaactaataa	gacaaactcc	atgccctaga	ggaattcatg
31441	gtctcatagg	gagaaaatgt	aaacacatca	taaaattata	gcttattaaa	tgctgaata
31501	gagatctccg	taagagtgtg	ggggcagaga	ggagggggag	aaacagctgc	tttctagagc
31561	cctcaccttt	tccacttctc	tcattcttct	gggttagggg	ctagcggggg	ttccatgagg
31621	atcaggctaa	atgagcttag	aaaaactaag	cagactactg	tatcagaact	ggatcacagt
31681	agacaggcgt	tttcaacaaa	catatattga	gtatccctga	gtgctttgga	caggaagagg
31741	aattatagac	gaagatttga	agtcacagta	atagatgagg	caaggagcac	cagttaggac
31801	ttaaccctga	aagaagtgtg	agcacatctt	cctcccagac	aagggggaat	aaagaaagga
31861	agatgatcag	gagagttcta	agtggaaact	agcagccaga	ggggaaagcYg	gagggaggtaa
31921	catcagaggg	tgcggttgcc	cactcagtaa	agtaggaggc	agggcagcct	tgtgaaaata
31981	ggaatgggaat	agaaagctca	agaaaacagc	caaaagcaag	ggcaattagg	ggaggtttcg
32041	aactggcaga	tctacctcaa	ctggcaatac	agcaagcatg	caccagaaaa	gatatacctag
32101	ctagcagtg	ggttggggaa	tgatttaata	tcctaggcta	gcagtggggt	tgSgaactga
32161	tttattattt	aattttttat	atctattcat	gtatttatgc	acttatttat	ttttgagata
32221	ggctctcgct	ctgtcacaga	ggctagagtg	cagtgatgtg	atctaggctc	actgcagctt
32281	tgacctcctg	ggctcaagtg	atcctcccac	ctcagcctcc	tgagttagctg	ggactacaag
32341	cacgccacca	cctaggctaa	tttttgtatt	ttttttgtt	agagacaggg	tttccacctg
32401	ttgcccaggc	tggtctcaaa	ctcctgggct	caagcgatcc	atctgccttg	gcctcccaaa
32461	gtgctgagat	tacaggcgtg	agccactgcg	cccagccaat	attttttaaa	aattggaaat
32521	cccttgtaat	aagccaagtg	ttgggggaag	aaaagcaata	aaagcaatga	catggactca
32581	atatgaaaca	tccaaagcat	ttgacatgcc	tttaaaataa	aaaaatcagt	actcacctcg
32641	tgctcatttc	aaactgtgga	tttcttgggt	ctaaaatttt	aaaaaacaaa	aaacagact
32701	ctcaaattta	agctaatttg	aatttaattt	acatagtgtg	ttttaaatat	acatatatgc
32761	ataaagagaa	tactataaaa	atatataaag	gtgtgtaggt	cttgatcata	tttcccagg
32821	aattcagaaa	acgtgcttac	agtcctggg	ctcacgtggt	cctggcatcc	tccccacctg
32881	ctctacccca	tcctgctgag	tttctggcat	gcattgggtc	tgggtctgtc	caagtttcta
32941	ctgttagctc	cattaatact	gaattaaagg	ataaacagtg	ctcaaatgct	cattttttcc
33001	atgtgagccc	aaattatgtg	acttgatgag	ggaaaaaatc	atgagtcctc	gggagagcga
33061	taagaatcac	attctttact	aaagtgttgt	cccaggatg	agaataaac	cagatctcaa
33121	cctccagagg	ccccccactg	cctcccacag	cataaaagcc	aaattcctcg	gccccgattt
33181	tgaggccatc	tcaatctttt	ctctttcacc	ctatacctga	ctctcccagg	ctaggctcag
33241	atcgtcactg	aatgtgctca	cttcgaggca	cctctgtgat	tttcaaggtt	cctgggcccc

FIGURE 3-J

33301	ccttttacta	ccgatgtgac	tgccacatgt	tgcccagttg	ctaggatggg	accgtggcct
33361	tgattttctgc	cgggactgag	gctttgcctt	gtttccacc	caccctgctg	cctgcccctg
33421	cactcttctg	gctggggcct	gatctttccc	cgcagtctcc	cttcacctct	agatcacagg
33481	cagtcagtgc	acagctgagg	agcttgctcc	aaacctcagt	gcctgcctcc	ctcctcggt
33541	tcttggtgctg	ctgtgtctca	cccatcagtg	aYgctcttct	cttccctgcc	caagccctag
33601	ctgactccat	aacacctgga	tacaatgtcc	tcttctgtct	ggttacctcc	gagaggccct
33661	ctctctacat	ccctcattgg	ctcccagttg	cattcctctc	acccatggcc	ctaaggtcac
33721	tgtattcttt	ggccagtgta	cagggttatt	atgcttaaca	atccacaaag	gttgaaaggt
33781	gttgtaggat	gggtgtaaaaa	tgaacttggg	tggtaatgtt	tatatgtcag	agctttgtaa
33841	agtgtctggc	aggcgtaagg	tactgacagt	cctgatattc	ctgatcttgg	aacctgggac
33901	accatcttct	caacattgcc	cggataccct	caagggtatc	cagacagcct	gagtttgcac
33961	tctgttctctg	gttcagccca	gggcccctgg	tcccgcctac	tcaccatcca	ctgtggccc
34021	tctctaaaatt	cttaaaagccc	ttgccatttg	catcactcac	agagacattt	catcagagcc
34081	tacttggtgc	aecaggctca	ggagactcag	ttctgctgcg	gataagttat	gtaaaattga
34141	ccctctgctt	gcacatctgt	aaaagggaag	ggctggcaca	acacctctg	gcctttcagt
34201	tcagtagtgt	tttcttttta	tctaaaccac	gtgctgggtc	ctggttttgc	ttcttatcta
34261	gatttttgca	ttcctgtcac	aacctataaa	gcacagttca	ggccttaagg	agggcttgag
34321	aaatctcttt	ccgaattgtc	aactgaataa	gtgtcatatc	ttcataacaa	acttgtcttt
34381	ttttgcaggg	ccaggaaggc	agcaggggag	tcagttaaaa	tataaatatt	agattaagct
34441	taatattgtt	aagaagtcaa	ttctcaccaa	attgttctag	agattttaca	taatcgaatt
34501	caaaatctca	ataaggtttt	ttgagaagtt	ggcaagcaga	ttctaaaata	tatatagaag
34561	tataaaggac	acagaataat	caaaacaact	ttaaaaagga	agaacaaaat	tataggactc
34621	taactacctc	attttaagac	ttattagaaa	gcagcagtaa	ccaagatagt	gagggactga
34681	gttcaaggta	gacaaataga	tcaatggaaa	agaatcaggc	atccagaaat	agatgcactt
34741	acataaatca	tcaattggag	aaagaatagt	gtttttaaca	actggcaatg	gaaaaactag
34801	aacatcagta	tgcaaaggac	tgaactttga	tccatacctc	acaccacata	caaatcaaaa
34861	acagaaacaa	acaaacaaac	aaacaataac	tcaaaatgga	tcagagacct	aaatgtaaaa
34921	ctataaaact	tctggaagaa	aacacagggg	gaaaatcttt	atggctttta	gataacgatt
34981	tcttaggcag	gataccgaaa	acatgatata	tacagttttt	aaaattaaat	attataagaa
35041	ttaaagtctt	ttgctcttca	aaagtcactc	ttaagagaaa	aagatgccac	acactagaag
35101	aaaatatatta	caaagcatta	aaaggacata	tatctaggat	atacataaaa	actctcaaaa
35161	gtcaataata	agaaaacaat	gagcaaaaga	tttgaacaga	cacttcacca	aagaagagat
35221	aaagatggca	aagaagcaca	taaagcagtg	ctcaaccatt	agttactagg	gaaaagcaaa
35281	ttaaaacctt	atgacatacc	actatgcccc	tattagaaat	ctgaaaattt	aaaagactga
35341	caataccaag	tattggtgag	gacatggcac	aagtggaaact	ctcatacatt	actatgggaa
35401	tggaagatac	tataatcact	ttggaactac	tttagaaaat	ttcctaaaaa	ttaaacatac
35461	accctaccata	tggcctaacc	attacactct	taggtattta	cccaagagaa	atgaaaacac
35521	atgtccacac	aaagacttgt	acttgcatgt	tcatagcagc	attattcaaa	atagccccaa
35581	agcagaaaca	aatcggtatg	tcattaaaca	gtaaatggat	aaagaaaacg	gggtctagcc
35641	aaacaatgaa	atactactca	gcaacaacca	aaatatgtac	tattgtttac	aaaatccaaa
35701	taagtgaatc	tcagaataat	tatgcagagg	agagaagcca	gaccaaaaaa	aaaagtacat
35761	agtgtattat	ctcttatgaa	attctagaaa	atgcaaaacta	acctatagtg	acagaaagga
35821	gattggtggt	cacctggggt	gggtgagggg	ggggcaggag	aaagggaaatg	caaagcagtg
35881	tgaacaaacc	tttggcggtg	ataggcatgt	tcattatcct	tactgtgggtg	atgcctttaca
35941	gatgtataca	gatgtcaaaa	cttatcagat	tgtacacttt	aaatatgtgt	ggtttatcgt
36001	gtcattatac	ctcagtaaaag	gagttttaaa	aattgtagta	aaaggtctct	acctagaaac
36061	cttaataaagc	taaaatgtat	gtccccagga	ctaaccctag	ctattctata	gttctgggggt
36121	ggaacctaga	aatctgcatt	tgtagcaagc	ccttcaaata	atttgaatgc	aggtggctcct
36181	taaaaccaccc	tttgagaaac	actgacctag	tgagtaagga	tttctaaaca	agcttgtgac
36241	tagaatgttg	tttctgcagg	gaacaagtga	ctttttctac	tagagttgcc	atatcattct
36301	gtgttaagcc	tctaggacac	tcctactcaa	ttaccatgac	atatatttta	cataatatta
36361	atagttgtaa	aacaaaagta	aacctatggt	tttttcccat	cttatctgta	tacaaagtaa
36421	aatcaatgac	ataatattgt	tactagtctc	tggcagttac	ctacagttta	aatcaagaac
36481	ttatgttgct	tggtttttgt	gacagaaaac	tgatgtgggtg	gctttccagt	tacactgctt
36541	ggtttaccct	ttcccttatc	ttatgatgca	cacctagctt	tgacagttcc	tgagcagctg
36601	atgatcatag	aagacctaga	aaaagtgtga	gccagttgca	ttcctgctat	ctctaaagaa
36661	aaaagttatc	ttttcatttt	tatgtgattt	ttcttaccca	aaatgcaaac	cactgccagt
36721	ataaatgatg	gaagatagac	tttccacatg	aaactggcat	ttcttcaccc	tagtaacatt
36781	acctgagggg	aagggtcagaa	ctcaattgat	aaagctcgct	gtggattttt	ccaccaaata
36841	tccctgcaaa	caaagtgaag	ggataaaggc	tgcttaagaa	tgatttgtaa	ttgttgaaag
36901	gagtcagtg	tgtgacatca	gtgaaaatgg	tgagagaaaa	accgtcccc	aaattctctt
36961	ctttgtgaaa	gcatggaaaa	aactggccaa	aaatggttag	aaaatttatt	ttcagaatat

FIGURE 3-K

37021	cgaaattttt	ttttcctttt	tttttttttt	attatacttt	aagttctagg	gtacgtgtgc
37081	acaacatgca	ggtttggtac	atatgtatac	atgtgcatg	ttggtgtgct	gcacccatta
37141	actcatcatt	tgcattatgt	atatccccta	atgctatcta	tcccctcccc	ctccccccac
37201	cccaccacag	gccctgggtg	gtgatgttcc	ctaccctgtg	accaagtgtt	ctcattgttc
37261	agttcccacc	tatgagtggg	aacacacggg	gtttggtttt	ctgtccttgc	gatagtttgc
37321	tcagaatgat	ggtttccagc	ttcaccatgt	ccctacaaag	gacatgaact	cattgttttt
37381	tatggctgca	tagtattcca	tgggtgtatat	gtgccacatt	ttcttaatcc	agtctatcat
37441	tgatggacat	ttgggttggg	tccaagtctt	tgctattgtg	aatagtgtgt	caataaacat
37501	acgtgtgcat	gtatctttat	agcagcatga	tttataatcc	tttgggtata	taccagtaa
37561	tgggatggct	gggtcaaacg	atattttagt	ttctagatct	ttgaggaatc	gccacactgt
37621	cttcacacat	ggttgaacta	atttacagtc	ccaccaacag	tgtaaaagt	ttcctatttc
37681	tccacatcct	ctccagcacc	tgttgtttcc	tgacttttta	aagattgtct	ttctaactgg
37741	tgtgagatgt	tatctcattg	tggttttgat	ttgcatttct	ctgatggcca	gtgatgttga
37801	gcattttttc	atgtgtctgt	tggctgcata	aatgtcttct	tttgagaagt	gaccgttcat
37861	atcttttgcc	cactttttga	tgggttgat	tttttcttg	taaaattgtt	taagttcttt
37921	gtagattctg	gatattagcc	ctttgtcaga	tgggtagatt	gtaaacattt	tctccatttc
37981	tgtaaagttg	ctgttcactc	tgatggtagt	ttcttttgct	gcgcagaaac	tctttatttt
38041	aattagatcc	cacttgcata	ttttggcttt	tgttgccatt	gcttttgggt	ttttagtcac
38101	gaagtccttg	cccatgccta	tggcctgaat	ggtattgcct	aggttttctt	ctagggtttt
38161	tatgggttta	ggcttaacat	ttaagtcttt	aatccatctt	gaattcattt	ttgtataagg
38221	tgtaagggaag	ggatccagtt	tcagctttct	acatatggct	agccagtttt	cccagacta
38281	tttattaaat	aggaatcct	ttccctattt	cttgtttttg	tcaggtttgt	caaagatcag
38341	atggttgtag	atgtatgata	ttatttctga	gggctctgtt	ctgttccatt	ggtctatata
38401	tctgtttttg	gtaccagtac	catgctgttt	tgattactgt	agccttgtag	tatagtttga
38461	agtcaggtag	cggtgatgct	ccagctttgt	tcttttggct	taggattatc	ttgacaatgc
38521	aagctctttt	ttggttccat	atgaacttta	aagtagtttt	tttccaattc	tgtgaagaaa
38581	gtcattggta	gcttgatggg	gatggcattg	aatctataaa	ttacctggg	cagtatggcc
38641	attttcacga	tattgattct	tctatccat	gagcatggaa	tgttcttcca	ttggtttgtg
38701	tctcttttta	ttttgttgag	cagtgttttg	tagttctcct	tgaagaggtc	cttcacatcc
38761	cttgaagtt	ggattcctag	gtattttatt	ctctttgaag	caattgtgaa	tgggagttca
38821	ctcatgattt	ggctctctgt	ttgtctgtta	ttgggtgata	ggaatgcttg	taatttttgc
38881	acattgattt	tgtatactga	gactttgtct	aagttgtcta	tcagcttaag	gagattttgg
38941	gctgagacga	tggggttttc	taaatataca	atcatgtcat	ctgcaatttg	acaatttgac
39001	tttctctttt	cctaattcaa	taccctttat	ttctttctcc	tgcctgattg	ccctggccag
39061	aacttccaac	actatgttga	gtaggagtgg	tgagagaggg	catccctgtc	ttctgccagg
39121	tttcaaaggg	aatacttcca	gtttttgccc	attcagtatg	atattggctg	tgggtttgtc
39181	ataaatagtt	ctcattattt	ttgagatacgt	cccatcaata	cctagtttat	tgagagtttt
39241	tagcatgaag	ggctgttgaa	ttttgttgaa	gacctttact	gcatctattg	agataatcat
39301	gtgggttttg	tcttcggaga	acactggaaa	ttaaatgatg	gcttgacaga	atctggagag
39361	cattttattca	aggaaaatgg	ctgtgtctca	gtatgactaa	tgagcttttt	aacttgcctt
39421	atttctatcc	tccccttctc	tgggtgtgagc	cttagaaaatg	aacagcctgc	aatgatagt
39481	aaaatcagca	gtctggcagc	catgggaggg	gcagaacagg	aatgggggaa	ctatggagcc
39541	tcattcttag	agaattatca	ttatttgatc	tgtccacggg	tttctaggaa	tacctgacct
39601	gcaagtctgt	ctttatttagg	cctgactcag	aacttgccca	atgtgaaaag	tcttttcccc
39661	aaaggccttt	gtagaaaatc	attacaggca	attgttttaac	ttcttgggtg	ctcgaggtat
39721	tggctaacag	tggggcaaac	atgggcta	cagaaggttt	aaaatgaaat	gctcaggaat
39781	aagatgctca	tagagggttg	taaaggctcc	aaaatattta	tgagactcta	gaagaccatg
39841	cacacatttc	ctgtgaacat	gttcaggaca	gatctgcgaa	ggccccaaga	tcttacctct
39901	ggctgatctt	gatgatctgc	acaaacagaa	agtgaagct	aggctagaac	tgtcaagtgc
39961	caggctgagt	gtgaaggtgt	gcccta	gtcagcagag	ccccttggca	aagactagaa
40021	gacttactgc	tttcaggtgt	ttaaagaaat	ctctgtcatg	tcattagtat	ttagatcact
40081	aagctaactg	aacagaggct	tcaatggctg	cacataaata	cagacttcat	agaattagtt
40141	tagaaaagtc	actataacaa	acaacaataa	acagcaacac	caacaacacag	tagaggtggg
40201	aaggtccaat	ttccagagtt	gctacattat	gttattttaa	atgtgcaatt	ttaacagaaa
40261	ataatgagac	atgtaaagaa	ataagaaaat	gcagtccata	cccagggaaa	aagaaaaacc
40321	agtcaataca	aactgttcc	aggccagggtg	cagtggctca	tgcctgta	cccagactt
40381	tgggagggca	aggcaggcag	atcaccagag	gtcaggagtt	tgagaccagc	ctgaccaaca
40441	tgttgaaacc	ccatctctac	taaaagaaaa	atacaaat	agccaggcat	ggtggcgtgc
40501	acctgtaatc	ccagctactc	gggaggtctga	ggcagaagaa	ttgcttgaac	ccaggaggcg
40561	gaggttgacg	tgagctgaga	tcatgccatt	gcactccagc	ctgggttaca	gagcaagact
40621	ctgtctcaaa	aaagaaaaaa	aaagaaaaaa	gaaaaaactg	ttcctgagga	agccaagata
40681	ctgactttac	tagaccaata	ctttaactat	ttttacatgt	tcaaaaagtt	aaaggaaatc

FIGURE 3-L

40741	atatataaag	actaaaggaa	agcacaagaa	caaatcctca	ttaaatagaa	aatataaaga
40801	tttgttttaa	aggacgaaac	agaaattcta	gatttcaaaa	gtataataat	tgaatgagaa
40861	attcactaga	gtggctggct	caatagcaga	tctgagcagg	cagaagaaag	aattagagaa
40921	ctcagaaata	ggtcaattga	atctatccag	tctgaggaag	agaaagaaag	aggaatgaag
40981	gaaaaatgaa	tagagcctca	gagactgtga	gataccttca	agcacgctaa	tgacgcataa
41041	tggcagtctc	agaaggagag	agggataaat	gggctaaaat	aatattttaa	gaagcaatgg
41101	ctgaacattt	cccaaattctg	atgaaaacat	taatctatac	cttcaagaaa	gtctataaac
41161	tccaagaaat	ataaattcaa	agagatcaag	atccacacct	agagataaca	taatcaaaat
41221	gtcaacaaaag	acaatgaaat	tatcttgaaa	gcagcaagca	catagaagga	ctcttcaata
41281	agattaacag	ctgatttcta	tcagaaatca	cagagttgag	aaggcaatgg	gatgacatat
41341	tcaaagtgtc	taaagaaaaa	gaggggtcaac	aagggaattct	atacctaaag	ccaattttatc
41401	ttcaacaaaag	atgccaagac	cattcaaagt	ggggaaagaa	tagtcttttc	aatcaatggt
41461	tctaggacaa	tgatatcca	catgttaaaa	aaggaaacttg	ggcccctaata	tcacatcata
41521	tacaaaaatt	aactcggaat	gagtcaaagg	cttaactgta	agagttaaaa	ctataaaactc
41581	tttgcataaga	acactatcaa	gagagttaaaa	agacaatgca	cagtatggga	aaaaataactt
41641	gcaaataata	tatctgataa	aagtcagta	tccagaatat	ataaataact	cttacaacttc
41701	aacataaaaa	tgacaagcca	attaaaaaac	atacaaatga	gttaactgac	gtttctacaa
41761	agaagatata	ccaatggcca	atatgcatgt	taaaagatgc	tcaacatcac	tagccatgag
41821	ggaaatgtaa	atcaaaatca	caatgagata	ctagtacatg	cccactagga	tggcaatgat
41881	aataataata	ataataataa	tgttattata	atgaacaata	caagtgttag	taaggaaatg
41941	gagaaaattg	aacccaacta	ttatattgct	ggtgtgaatg	tgaaatgggtg	gtactgtttt
42001	gaaagatgat	ttggaagttc	ctcagaaagt	taacaaaagt	taccatatgg	tctggcaatt
42061	ctacatatat	acaccaaaga	aaactggaaa	taaagattca	tacaaaaatc	tgtacaaaaa
42121	tatctacagc	agctttactt	acagtatcca	aaaaggggaa	aaaMcccaa	tcttcatcaa
42181	ctaagtgaatg	gataaacaaa	gatgttatat	ccatacaatg	gactgttact	cagccataaa
42241	aaggtatgaa	gtactgatag	atactacaac	ataaatgaaa	cttaaaaaaa	tacgcaaagt
42301	gaaagaagct	agacagaaaag	ggccatatat	gtgatgtgta	gagaaaacat	ccaatagaga
42361	caggaaatac	attagtgtatt	gccaggggct	gggtaaaggt	gagagatgga	gaatgattgc
42421	taattgggtac	agaatttttt	tgttgggaga	gttatgaaaa	tattttggaa	gtataattag
42481	aattaggtcg	ttaaataactt	taaaaacaaa	aacagctggg	cgcagtggct	cacacctgta
42541	atcccagcac	tttggggaggc	cgaggcaggc	agatcataag	gtcaggagat	caagaccatc
42601	gtgcccaaca	tggtgacacc	ctgtctctac	tacaaacaca	caaattagcc	aggcgtgttg
42661	cgcgcctgt	agtcccagct	attcgggagg	ctgaggcagg	agaatcactt	gaacctggga
42721	ggcagagggt	gcagtgagcc	cagatggtgc	cactgcactc	cagcctgggc	gacaagagca
42781	aaaactccat	ctcaaaacaa	aacaaaacaa	aaaacaaaag	taagaagttaa	aaaaatagaa
42841	ttagactggg	gatggttatt	gagccttggt	aataatctaa	aaccactgaa	attgtatatt
42901	ttagacagt	aatttgatgg	catgttaatt	atatcttgat	gttttaaaaa	aagtagtaca
42961	gtgtctgaaa	ggtagcattg	gccatttgaa	tctctgttaa	cattttcttg	ggtggccatc
43021	agatttttga	ttaaaggtga	ccttgccaat	taagtgtgtg	ggggaacaca	accaaaaggg
43081	acaaaccaac	acaaccacac	acaatcacac	aacccctcca	cctccaccac	agtggaaatc
43141	aagcataggt	gcttccaggg	actgtgaaaa	tgtggccaca	gttgttttcc	cagcaaaacca
43201	ttttctttca	caatatcccc	aatttgcaca	tccccactg	agctgaaatc	agtataactc
43261	gacagacgaa	agtcagcagg	ggtaacctac	ctttgatatt	attttgttgt	tccatcaata
43321	atttacttat	ttctgaaaaa	caacagtctc	tgattttctt	tgaagctgcc	tgcaatcaca
43381	cataagaaaa	cactataaga	ctaccatgag	tattaattgc	agagttttta	ttctccaggt
43441	gaccgttaga	ctaattgagat	agaaaacact	tgtcaagtca	tgggaacaca	ataaggaaag
43501	agtagaggag	acccatgggg	aaggcatgag	cgttacctgc	aggatgtatt	tctcaagtcc
43561	atttcgactg	gcaatctcaa	actttctatg	gctccccctt	ccaagtggc	gaattgaaag
43621	tgtcatcagc	tattataaaag	agggaaagaga	aatgttctat	accatcgttt	tctgatttta
43681	aaatagtccc	tgtaaatcac	tctaattcctt	tctatccttg	acagctctct	tctttcatct
43741	tcctttcaag	tttttgcttt	cctctcttaa	tgactccaag	acagcataaa	acacaatctg
43801	gtacagtgtc	ttctgtctca	tctgtttcag	aaggtaacac	agactgttaa	ctttctactg
43861	tatctttatg	caggaggcgc	tgcagccctc	aacctttcag	tgaagagatc	atttctcctt
43921	caacRtgtat	tttacaactt	tctacgtaat	agtaactgaa	taaggatcta	ttcagaaaca
43981	taaataacaa	ggccaggtat	ggtggctcat	gcctctgtaa	tcagtcctgt	aattccagca
44041	ctttggggagg	cctaggtggg	cggatcacct	gaggtcagga	gttcgagacc	agcctgacca
44101	acatggtgaa	accctgtctc	tactaaaaat	acaaaattag	ctgggcatgc	tggtgcgtgc
44161	ctgtaatccc	agctacctgg	gaggtgagg	cagaattgct	tgaacccggg	aggtggaggt
44221	tgcagttagc	caagatcatg	ccattgcact	ccagcctggg	caacaagagc	aaaactctgt
44281	cgaaagaaaa	gaaagaaaga	aagacaagaa	agaaagacag	aaagaaagaa	aggaaggaag
44341	gaaggaaagga	aggaaggaag	aggaaggaag	aggaaggaag	gaaggaaagg	agggagggag
44401	ggaggaagga	agggagggag	gaaggaaagga	aggaagggga	gaaagaaaac	aaaggctact

FIGURE 3-M

44461	atgaacaaat	taacagcttt	aatcacaca	gcataaatat	atatgggtgt	ggctcctgta
44521	tgtgggtgtg	tgtgtttcat	agcctgagag	ctaactggct	atgaaacagt	ttctaacaag
44581	gtgagaaaac	aatgcttgg	gtgggcctgg	gtgccttaga	ccccaaggct	aggacaatgc
44641	ctgcacttag	acacaaagat	acaccgttga	gaaggacaag	tctaagatga	aatccagccc
44701	atgttctcat	actaagctct	ttcaactctc	ttttacctct	ttgcctggaa	gaaagagggg
44761	acttttacta	attagtttgt	ccagactggc	tgccatatag	tcttttttct	ctagtacaaa
44821	ggcactocta	tgccagccct	ggcccataag	ctctgaccct	ggagtacagc	agacccggct
44881	atggattcta	gccctgtggg	gtggattttg	gcaagttaac	ttcacctctc	tacactgcag
44941	cttcctcatc	tgtaaaataa	ggaaaacgat	ctctctcttt	tctgcatagg	gcgactccca
45001	gatgcaatag	gactcccttt	accttcatgg	Ycttcttgaa	gctgtaatga	ggagataatc
45061	cctggtcccc	agggtccatt	cgtatcttac	agaacactat	tcccctttca	aataggtaga
45121	tttgccctctg	gctgggttta	aatcgaaatc	aatccttcat	tttataacga	tcctgtgtaa
45181	ttgtccagac	gctgaaaggg	ccgtgcagca	acagcttgcc	tagttttcca	atatcgctct
45241	tttggaacaa	cacatacagg	aaaagaagct	gtaaaattac	ttgacagaga	aagaagcctt
45301	tgtggcctgt	tttcaaattt	tataaagcat	gcttctttga	ggtttacaa	tctaaaagtg
45361	ctattcaggc	tggtctgtca	ctaaatcaaa	acgacaattt	tttgagcttc	actgagcgtg
45421	gtggcattta	gttatataag	gaaatcaatt	cagctatgaa	aggtaatgct	atacataaag
45481	aatgttagaa	atgcttgagc	tagagatacg	gggactgtga	tatttttgac	tcaattttaa
45541	ctagcagaat	tcaatttcct	ctgtgctatg	tttgatacat	gacagtctcc	ttcaaagggg
45601	caagaaatta	acatttcaat	tatgtccagt	agagatagaa	ttttggctgc	attgYggacc
45661	catgagcatc	tgtgtgttcc	atctgcttcc	taacttctgc	ttcaggtata	tgaggacctg
45721	agaaaatgaa	gcttgttctg	aaaagagaaa	gtttactgtg	atctaactct	cacaacattg
45781	taatggaaat	agtaactgca	ttcaactctg	agtttttcag	agtgagtcaa	cagtgcacag
45841	ataataccaa	atgacagatt	tttaagaagt	ctgtttgact	ctaggcataa	actgtgatgc
45901	ccctgtctcc	accagcaagg	ctgcctttgt	catatgtctg	gttgaaagtc	caaatgagat
45961	gacctgtcct	tctctgagct	ctcttcaaaa	gacagtggac	caagatgagc	tgaggcgag
46021	gcattttatc	tggtattttt	caaaacttcg	attgcttaaa	gcagataaga	attcatttcc
46081	ctgaataaaa	acaccaaag	gaacaaatta	ttgaagggg	accaagacaa	agaaatctcc
46141	ctaagtgacc	tctagctgag	atcaatccct	atgatttctg	agttaact	ggaaatatgt
46201	acttcattca	taattgattg	ggcattttta	taatttattg	tttatatgtt	gggcaaactc
46261	taggtatctt	ttttaaaaa	gaattgactt	tacttctgaa	acattaaaag	aaaaacttca
46321	agagcaataa	actctagtca	tttctatggt	gtctatggcg	ttatttccta	gtttaatttt
46381	ctattttctt	ctttggaaaa	tttacctatg	tagactgtgg	tgaataaaac	cctcaaactc
46441	ccagccacga	ggccttcttt	cctaaaagcc	aatgctcctg	ttctgtgtta	acagttcacc
46501	acattccaaa	acagaagggt	ggataggtcc	atgaggaccc	tgagagaattt	tttactcta
46561	tctgcatcca	tcaaggaccc	actcaaatgt	aatcactaca	gacctagtgt	actgcttttt
46621	cctttaaate	cattcaattc	ataatcaata	tcgacataaa	tagtgacgga	aatatgtttt
46681	agtaaaaggca	actggtagaa	gtagatactt	aatatttgcc	acataaacia	atgttatcag
46741	cacaggttga	gcattccataa	tttaaaaaat	ctgaaatcct	ccaaaatctg	gaactttctg
46801	agaaccagta	tgacactgga	ggtgaaaaat	tccataactg	accacatgtg	atgggtggca
46861	gtcaaaacac	agtcaaaatt	ttgttccacg	cacaaaatta	ttttttattt	ttttttttt
46921	tgagacggag	tcttactctg	ttgccaaggc	tgacgtagag	tggcacgacc	ttggctcacc
46981	gcaacctctg	tctcctgagt	tcaagggact	ctcctgcctc	atcctcccga	gtagcttgga
47041	ttacaggcgt	gcattaccat	gcccggctaa	ttttgtatt	tttagtagag	ccagggtttc
47101	agcatgttgg	ccaggctggg	ctcgaactcc	tgacctctgg	tgatctgccc	acctcagcct
47161	cccaaagtgc	tggtattaca	ggcataagcc	actgctcccg	gccttcatgc	actaaattat
47221	ttaaaaatag	taaaattacc	ttcagcttat	gtgtataagg	tgctcatgaa	cataaatgaa
47281	tttcgtgttt	acacttgggt	tccatctgca	acataactca	gtacgtatgc	aaatactcca
47341	atcctcccct	aaaaaaaaaa	aaactccaaa	acacttttgg	cctcaagcat	tttggtctag
47401	ggatattcaa	acttgtagtt	tctatcttac	aatgtattca	ctctctacct	cattttaaac
47461	attcgacgca	tcttacagaa	atatatacag	tatagacaga	tagaaaataa	ccgagggaa
47521	taaggtgaag	aaaaaataaa	gaagttggga	gcttggcgcc	tgctgtagt	cgcaactact
47581	tgaggagctg	aggcaggagg	atcacttgag	tccaggaggt	tgaggccagc	ctgggcaaca
47641	tagggagatc	accatcccta	aatataaaga	caataaatca	gatgaactgt	tccagaagggt
47701	gtagaagata	aaagaaaaga	tgaagaggtt	atatgtaaaa	tgcatataat	aaagccattt
47761	aaacttgatg	taaacttggc	tctgactttc	taataagcaat	acagagggaa	acatggtgag
47821	tggtacgatt	tattatgtct	gaagacatac	acaaaccggg	tggtcaggaa	agcacagct
47881	attcctacta	agacataaga	aacatttctc	ccagtgatat	gttgtcactg	agcaacatcc
47941	tcaaccacgc	cctatgatag	aaagaggaac	atgttttagg	taaagctgct	tgtaagaaca
48001	catttgggtca	gtgtggaggc	tcagctgtca	aagtaattct	agaagaggt	aggatgatag
48061	gggaaggggg	aataagtcga	gtgtgtacact	ctctaagac	ttgtgaagat	gggtgacgt
48121	gagttaaggc	atccacaagg	ctattgtaga	ggaaacagcc	ccaaccagaa	atgctgaaga

FIGURE 3-N

48181	ggcagcctca	ggcagcaagg	tttgtgcttt	attacctctg	aactttctct	atcaccccat
48241	ccacagccat	gctgctgcac	cttcataggg	aagtaatcag	aggatgtgaa	tccagagagg
48301	taccagcagc	tgaccatagg	gccccagca	taaaaacaat	gtgccagggK	tgggggttgg
48361	caatgtgatc	tctccctgaa	ctgaagaaaa	caggaggaag	tggtgaccag	caggagaYgg
48421	ggctgtgaga	tgcttttaggg	gaaagcaggc	agtggaataa	acgagaagga	aacagaacta
48481	tgaagaaggt	gagtcattag	aaattatgag	gaagaggaag	aaactgacgg	aagggaaaaa
48541	aacagtcagt	aggtggtaag	agSgggggcg	agcaggcatg	tgggtgcact	tgacatatat
48601	aggcgggtca	cacaggtaag	aaacccggct	ccctccccag	gcccaggccc	cagaggtgtc
48661	gtggatctct	ggtttgctca	gttccatctc	ccgcgaactt	ggctttgcca	tcgtgacttc
48721	ttgagaagct	gcaggtcagc	tttccagtaa	gcccattatt	actggaagtg	actcgggggg
48781	agtcgctggg	tctttcaagt	ctggcagaaa	catatgggca	catatcctct	gggtcatgtt
48841	gcacaaatgt	tctcaggacc	acacatatga	cggtattgcc	catctccacg	cccaagggtc
48901	gattctccagc	gggtgagcac	atgcctaca	cggtgctgac	caagggcagc	cacacacat
48961	gttcaactgtg	ctgtgtggag	ctgctccgcc	tccaacagga	agctgcaggg	acattccctg
49021	agcaggagca	agaatgacct	tttccgctac	gtgtaccttt	tctttccaac	tagactgtag
49081	ttgatctcaa	ggtcggagac	cacgttgcac	aaacctcttc	agatacgtgt	tcaccagtat
49141	ttatttattt	attggcattc	ccctgatttt	atttatttat	tggcattttg	tggtgacttg
49201	gagtagggga	caggaacaaa	aatactcatc	actgtgaggg	aatattgatt	tatccaagga
49261	gttcattcag	cgacgcccct	gtactgggtt	gaatagtgtt	ccccaaaaa	ctcatgtcta
49321	tgagaccctc	aaaatatgat	cttattcgga	aagagggtct	ttgcagatac	aattgggttaa
49381	gatggggttg	ccctgggtta	ggatgggtcc	aaatccaatg	actggtatcc	ttataaaaa
49441	agaaaaacaaa	gaaatggaga	cgcacgctga	gggaacagcc	atgcaaaggc	agaggcagaa
49501	attggagtg	cacagctgtc	agccaaggaa	ctccaagaat	tgccggcagt	caccagaagc
49561	tcagacgagg	taaggaagga	ttcttcctga	gagccctcag	agggaaactg	ggcctgctct
49621	caccttgctt	ttgacgtct	agccgtcaaa	actgtgaggg	aataaatttc	tgttgtttta
49681	agtcacgtac	tttgtggttc	cttgcgacat	cagccctagg	aaacgaatat	acttccaact
49741	gttttccacc	agtaacaaag	aagtgtggcc	atgtcacacg	gtgtgtggaa	gaacctgatg
49801	gttgtgaact	cagagatgga	acatagcggc	tacctcaaat	gagcgagcga	taagttagat
49861	ggcctcctct	gtacaagaag	tgatggcaaa	atcaattagt	aaatgctacc	actttcacac
49921	ctgggcattc	tgcaggtaag	agccccgata	caaggatttc	aaatgtgact	acattggcca
49981	aatgaagagt	ctggctgaga	gagtgaaatc	agggaaagctg	gcctcagcaa	gagcttcttt
50041	tgggtgcccc	tgtttccatt	ccaggtagta	agagttaata	tgactgtcac	aaacttactg
50101	cacaaagaag	caggaacacat	ctgtataaat	gcgtccacac	agagcctgag	tccagaatg
50161	aaaagcagaa	gctgtgggag	cctgtgatta	caatagttag	gggcaaagag	gtatcttctt
50221	ttccagcttg	agcagggtccc	catataacgt	accactaggg	ctgtttattc	ggcatctgtt
50281	gggcgccagg	cacagtgtct	gggtgccttac	ccatcattta	attctcactt	actcccgcca
50341	agccctgtga	atataaggtat	tgtggggggg	tggggggggg	gggggggttg	ggaaatgaga
50401	agatactttg	cctgggtcac	taggattatt	tacttagccc	tatctctgca	gctaacactg
50461	tggttaaggaa	agaggaaaact	gaaatagaaa	taaaatcctg	gccctagctc	acaatgaact
50521	tacaatacaa	gtacatcctt	tagtggttta	tataaatttg	ttccaaaaag	gaagacttgt
50581	tcattcaatc	tttacaagtc	aaactttgaa	cttatccctg	gcaagtcaga	atttaaatgc
50641	atctctaata	tgcattggat	ttgaaaaaaa	aaaaaacttt	tgtttttttt	ttgcaaatag
50701	atagaagtaa	attataactc	agtgttccac	aaaacaaact	tgtttggaaa	agaattttta
50761	acttctgtga	ttaaattaga	cccaggacta	attgagtaca	cagaaaaaca	agaaaaatata
50821	aatatcagaa	gggatttttt	tctagtgtct	ttctagtgtg	ttaattgtga	taatttaatt
50881	atcacattca	atttctttcc	tttataaaac	caggttaata	ttaaatttca	agcagagaaa
50941	ctaagagggt	aaactggact	cagccatgca	tatagctgta	atttattaca	ggtgatcata
51001	aacacctgta	ataaaactct	acaaaatgga	gacaaagaat	ctcagaatca	tttgagctga
51061	gttagaggca	gttgtcagtc	aattctaatc	agaaacagat	aaagagtggg	atagcaccct
51121	gatagggaat	gaacaagaaa	tagtccaagg	tgacagccat	gtaatcttga	gtgagttaac
51181	tcttctttcc	atggatcttc	ttttgaatca	gaagggtgaa	aattccaata	tctactcctc
51241	cataattcaa	caggattata	caaaaactgtc	aggagaaatt	agctgatgta	ttagattgtaa
51301	aagtaagtta	agtcttagta	gaaaagggtac	caaaaagcat	ctggcagagg	cacaattctg
51361	aggacacatg	gtcaaaaaag	gtcctttgct	ttttgcgtgt	aaaatctcca	aattctgtaa
51421	gctggttcat	cctattttgca	tgcaaaactgg	ctgggaatga	aattagggca	gaatgttatt
51481	tgctcatgtt	ttaaccattc	ttttctcaca	gcctcctcct	cctatgttat	ttacactgtt
51541	tcctgcctcg	tgtattgttt	ccaggacatt	cattagattc	agggaaatga	aatttaatat
51601	ggatgtctaa	tacgtaattc	aagattttaa	aaggaacaga	aagatgccct	ggattgacct
51661	aacaaattgt	tcccttgact	ttcctcaggc	gaagaaagaa	gaattattac	caagaaaatg
51721	atccttatac	acaccctaac	cctactctgc	agtttatgca	tatcctcttg	aatcatgcat
51781	cagttgtcat	cagagacacc	ttggagctcc	aggggacagt	aacagcatca	tggtcgggat
51841	cacagcaaac	cccatggggc	taagtttctg	agatccaggg	ccaagaaata	ccagcgtggg

FIGURE 3-0

51901	aagtaaaaat	aactcatttt	tcggacctta	ataactttca	tggtttgatt	tatgacaagg
51961	aaagaaaagt	catttcctct	accaagacct	caatacatgg	tatgttcaaa	accaaataaa
52021	aatgaaaaga	aaaaaaaaa	gaaggaaaaa	gtataatata	atcacaaagt	acaaaaacgc
52081	agaagagggg	gtcacagaga	tgtgatgtaa	gaaaaacttg	gccgggcacg	atggctctca
52141	cctgtaatcc	cagcactttg	ggaggcggag	atgggtggat	cacgaggtca	ggagttcgag
52201	accagcctga	ccaacatgga	gaagccccgt	ctctactaaa	aatacaaaaa	aaaaaaaaaa
52261	ttagcaaggt	gtggtggcaa	gtgcctgtag	tcccagctac	tcaggaggct	gggacaggag
52321	aatcgcttga	acctggcggg	cagaggttgc	agtgagctga	gatcatgcca	ttacactcca
52381	gcctgggcga	cagagcaaga	ctctgtctca	aaaacaaaac	aacaaaaaga	agaagaaccc
52441	aacctgccat	tgctggtttg	tgctttatta	cctctgctca	tagaagccat	gagccatgga
52501	gcgtgggtgg	ccttttttaag	ctggaataat	ccaggagaca	gatgctagac	tccaaaaagg
52561	aaaggaacaa	ccttgatttt	agccccagag	actgtgttga	acttctgacc	ttggaacttc
52621	aaaataataa	taataatgaa	tttgtctgct	tctaagccac	caagcttatg	gtattgtatt
52681	atgacagtga	aataaaaaca	acacatctga	ataaaaatct	agagtacttc	aaagtaaaaa
52741	acaaaacaag	tcgaatatta	actatgctcc	agtctcaaag	agatcataca	gttatagggg
52801	atgttttgcc	tggaaatgcct	gggaccagcc	tgctccggat	taacactgac	gctggagctc
52861	aactccccag	cattggcctc	taactgcata	tcttgggttt	tcttttagact	atgttggttc
52921	atgcatgtac	actatatact	tttggggcct	cttctgggat	ctgtgatata	aaattggggc
52981	aagaatatag	gacctgtttc	caaaaatact	ttcttagaga	aactctgaaa	caagaagaca
53041	aatcttttac	tattttaata	gtgccatgag	ttagaaaaata	aattgtcctc	ccaggacttt
53101	tcctctgccc	atatatgttc	tggcccttga	cttctcggtt	tgtccagaca	gtgggtcagt
53161	cccacattca	gaacctgag	gaataaatYc	aagattcctg	aagatgccaa	gggacagctt
53221	ggaatcttgt	agtgcgggtt	tactgagcaa	ttaggcgcac	tgctcctcaga	gtccaattcc
53281	tttaccatag	acgatctctc	tgactttgcc	agagcatttc	ctcactgtgt	agtattgcac
53341	ctgccttttg	tgtgagatgc	tctaaccacta	ctatggaaca	taccggacat	tcagtcactg
53401	ctgctaggtc	cacagccaac	tcacaggact	tgatcaaata	ctctatcact	gccaaaagctt
53461	gttgtagttc	agttgagaat	gctgaatctt	tggttctctt	tggcccatcc	tgtgaaaaac
53521	aaatgccttg	ttggaaatca	aaagtatacc	atctgcaaag	tgaagaagga	aaacaggaca
53581	gagatgagga	gccagggatc	cagccaacc	tgactgagaa	gggtggatat	tgatctgtct
53641	ccctgctccc	aaagcatggg	ggctaaagat	gcttactgat	ttaggtatac	ggcatagaga
53701	caagcaaaat	catctacctc	tgtgcattgt	actagtgcgc	aatgaagttc	ataaatcatg
53761	gaaattatat	tcctgctaca	taagaaacat	atagaattca	gctatatagc	tgaattctat
53821	atgtttctta	tgtgtatata	tattatataa	atatttatat	agtatatata	atatatttat
53881	attaatatat	aattatatgt	ttatatatta	attatatata	ttaaataatt	atatattata
53941	tattatataa	aatataagta	tatatattat	atatatatat	atatatatat	atatattttt
54001	tttttttttt	tttttttttt	tttttttttt	tgagagcgag	agagagtttc	actctgtcac
54061	ccaggctgga	gtgcagagcg	acgatctcgg	ctcgctgcaa	cctctgcctc	ctggattcaa
54121	gcaattctcc	tgtctcagcc	tcccagtag	ctgggattac	aggtgtgcgc	caccatgcct
54181	ggctaatttt	tgtattttta	gtagagacgg	agtttcgcca	tgttgaccag	gctgttctca
54241	aactcctaac	ctcaggtgat	ccaccacact	tggcctccta	aagtgtggg	attacaggcg
54301	taagccactg	tgccctggcca	gaattttagt	tttttaaagc	atggaaaaac	ctagctcctt
54361	ttaaataggc	ttctctctct	tttatacccc	tattccctgg	ggcttactga	aaaaaaaaat
54421	accatatggc	cgggcggtg	gctcatgcct	gtaatcccag	cactttggga	ggctgagaca
54481	ggcagagcac	ttgaggtcag	gagtttgagc	ccagcctggc	taacatgggt	aaaccccgct
54541	tctactaaaa	atacaaaaat	tagcttagtg	tgggtgggtg	cgccgttaat	cccagctact
54601	tgggaggttg	aggcaggaga	acagcttgaa	cccaggaggc	ggaggttgca	gtgagcccag
54661	attgtgtcat	tgcaactccag	cctgggtaac	aagagtgaac	ccccgtctca	aaaaaaaaaa
54721	aaaaaaaaaa	aaaaaaagta	gctgggtgtg	gtggtgtgtg	cctgtaatcc	cagctactca
54781	ggaggctgag	gcaggaggat	tgcttgaaca	cgggaggtgg	agtttgagtg	gagccaagat
54841	tgcgccactg	cactccagcc	tgggcaacaa	agtgcagact	tgtctcacia	aaaaagaaaa
54901	aagaaaaaga	aaaagaatac	aatctgagta	tcatattcct	atatttaatg	tggagccctt
54961	attcctgtgg	gaaaaattat	acttaaaatc	atcccagagg	aggacatttg	taaactccta
55021	tagagacaaa	gaactccata	gaggctgcta	agtggaaatt	tactaatgat	ttacatgtaa
55081	aagctataac	atcatatttc	cacactgaat	ctcccccaac	tctgtccttc	cttctccac
55141	ttgtccctgg	ccctccccac	attgcaccac	cattaaagat	gccaaaagaa	taagccagcg
55201	ctctgcacct	cccgaacata	aagactcagc	attcagcgga	aaagcagtaa	ctaattaaag
55261	agaccaatgt	tccaattaca	accacagtga	catttaggat	gtgattgggg	tgattgtttc
55321	agctctaaag	gcttttgcat	gggcttgagg	tattttatct	ccctgctacc	tacatgctgt
55381	atttatctgt	tacctggtaa	atacacataa	aaaaattttg	gtttattcaa	tgtatttttt
55441	taacatctca	agttctgcag	tgaagaacag	ctagcccctt	tgctgtcccg	catctggccc
55501	tgactctttt	tgtcctctac	agcacaatgt	agtcacagg	tttaattatt	tcttaactca
55561	tgcggaagca	ctgggtattt	gcactcttgg	atgagagaca	tgagtgcacg	ggctgatgaa

FIGURE 3-P

55621	tggaaatagat	cgtgctgctg	cctctgaaaa	acgtatcatg	gattcgtagc	ttctcattca
55681	taataaagaa	gcttcgcttc	ctggtaaaag	aaaacagact	ctcacctgaa	tttatttttaa
55741	caacatcaat	aagggattaa	gagttcttgg	cagggcgag	tggctcacgc	ctgtaatccc
55801	agcacttttg	gaggccgagg	gggggagtg	atcacgaggt	cacgagatcg	agaccagcct
55861	gaccaacgtg	gtgaaacccc	atctctaacta	aaaacaaaaa	ttagccgggc	gtggtggcgg
55921	gtgcctgtaa	tcccagctac	tcaggaggct	gaggcaggat	aatagcttga	acccgggagg
55981	cggagttgca	gtgagccgaa	actgcgccat	tgcactccag	tctgggtgac	agagcgagac
56041	tctgtctcaa	aaaaataaaa	aaataagaaa	taattttttt	ttaaagttct	tataccaggc
56101	atcttctctc	ttaccaaaaca	ctgaatgctc	agtttccttt	cagatcctca	cctcttccca
56161	tcccccttcc	ttccgctaac	cctccttcac	aaaacacgag	gtggctaggg	ttttgaactg
56221	tataatgtag	ggttcagaaa	aatccttttaa	aacattatta	aactcctcta	actagggcta
56281	gctcctcttg	ctccaggctg	taaaaatatg	acctgtgtcc	tgagctgctt	ctgttttcaa
56341	caggtccttg	tcattccattc	tgagcagaaa	gggcatgcaa	atgactgcc	cataagcttc
56401	gtctcaagt	tttcttgcta	aaaccagaat	attctatagg	aaaggaaga	gaaaccgcac
56461	tgctataMca	cagatttctt	cctaaccctgg	tgtggtcatg	gtcaccattt	attctaagg
56521	aactttggca	gactcttaga	gttcacacac	acgcacacac	acacacagag	gagaacaagg
56581	cataacatat	agaaattaga	tatactaaga	ggtacaaaaga	agaaaacata	atcctaccac
56641	tcaggaaaagc	cacagcagac	attttatcat	atctatttac	ttccagtctt	ttatgtatgc
56701	attttacgta	tttgcttaat	tttgttccca	ttaaaatttt	tttggctggg	tgcatgtgct
56761	cacgcctgta	ataccagcac	tttgggaggc	cgaggcaggt	ggatcatctg	aggctcaggag
56821	ttcaagacca	gcctggccaa	catggcgaaa	ccccgtctct	actaaaaata	aaaaaattag
56881	ctgtgcatgg	tgggcgggcac	ctgtaatccc	agctacttgg	gaggctgagg	caggagaatc
56941	gcttgaaccc	gggaggcaga	ggttgcagtg	agccaagatt	gcaccattgc	actccagcct
57001	gtgcaatgga	gtgagacttt	gtctaaaaaaa	aaaaaaatta	tgtggaagga	agaaaatata
57061	ttaccacttc	catttgggct	gcaaatccct	actttaaaaat	tgcccttaata	tttttggttt
57121	tttttcttga	ctgtgagtta	taggatacat	actatttttag	aaaaatctaga	taataaagac
57181	caccaagtaa	aattgctata	aatcctccga	cccatagaca	aacaccatta	atagttagtt
57241	atataaaatg	taatatttaa	tattgagtac	cttagccgag	cctcctagtt	cacctgggtc
57301	tatctccata	tcttcaggag	actcgaaatc	cagcagaccc	tgcatataac	caaaagcttt
57361	gttgaaaatt	aaaatgtaca	ttgccatcaa	aatgtagatt	gtcaacaaaa	tctactgtgc
57421	aaactatctg	ccaccaatgc	taagctgact	gagaacgtgt	gtaaatgtgt	aagagggaaa
57481	gaataaatga	tgtatttggc	acagggctct	ttccacaaac	ctagaatcat	attgtacaca
57541	ctattttgta	gactactttt	tctcattcaa	ccataacctca	tgaatatttt	cccagatgat
57601	tatgtttttc	taaaatatgg	gctttgattg	tggtagagtg	ttatatctta	cagataaacc
57661	atttttctca	ttcagcaata	tctcatgaat	attttcccat	gatattatgt	ttttctaaaa
57721	tatgggcttt	gattgtggta	gagtggtata	tcttagagat	aaaccatttt	tctcattcaa
57781	caatatctca	tgaatatttt	cccatgatat	tatatattttt	taaaaacatg	gctttggttg
57841	tggtagagtg	ttatatctta	tagataaacc	ataatcgaat	tatagtcccc	cttatcatta
57901	aacatttagg	ttcaacaata	ttttttacta	taataatgat	aataactttt	gtgcattttt
57961	cttaaagcta	aattcctaga	gtggaattgt	aaatgttaag	agttttgagg	catattttcca
58021	agttctctcag	agaaggactg	tcttctgcc	agctgtatag	gaaagcctgt	ctcaccagcc
58081	cctagcctac	aaggggtagt	accattttaa	caaaaatctt	taccaattga	atgaaaagag
58141	aaatcctacc	tcactgttgt	tttaatttga	cttccttaga	taactagagg	tgtagaactt
58201	ttttaaaaaa	acgtttgcta	ctagtgttta	ttcttttgca	aattgctatg	tcctttgcgc
58261	atctttttat	tataatttcc	aagagcacat	gattcattaa	gcatactgat	catctgttac
58321	atattttggt	cacattttcc	ccaatgtttc	atgagtctgt	ctttaatgg	ataagctatc
58381	actcatcacc	ctctcccaa	gatcccatga	tcctttctaa	agcatgaggc	aatcagttca
58441	acattcatgc	tctttcaagc	cagcacatgt	gtgcgagatg	caaaataagc	tctgcccctg
58501	gggatagaga	aggtcctaga	taggattaca	aggtcgttcc	tttctttgca	ggcacgtaat
58561	ggcctgagct	ggtttcacag	gcaccagcaa	gcttagctgt	ggggacactg	ctctggtctg
58621	ccttgggtag	ctcccacggc	tcctcacaga	ccccccgcaa	aatattttgt	agtaattcta
58681	tctcttggtt	cttcagtga	aggcagctaa	caaaaccttc	taagtccttt	taacctgtat
58741	tatctcattt	aatgctcca	acaagcatac	caggaaaagta	ctattattat	ctctatttcta
58801	taggtgagaa	atctgaggct	gagagaggtt	aagtaacttg	cctgagttca	cgcagcctgg
58861	aaggtgcaga	gcctggattc	agaccaggt	tggttaaaact	tcgagctctg	gtttccaatg
58921	acgatgcccc	acagccctct	gcgtctggta	ccgaacctag	ctcctatgta	aatgtcacct
58981	ctgtgggaaa	gctggaacct	aggctgagg	aggaaggacc	atcactttcg	tcctgtcat
59041	gcctcactgg	gcccagaggt	tggacttcta	caataggaat	gacagtgaca	atgggacatg
59101	cagaggagca	tgaggccctg	agtgagtgct	gggtcaaaaca	tgctctgagg	tgctgctcgc
59161	tgaagaagc	agatcattat	cctcatttct	atgggtgtgt	gacagttctca	atgtctaaaga
59221	taacagctac	acatcatgca	gagcttctg	ggctgtgcca	agccctccgc	atgtgtcta
59281	catctgcttc	ataacgatct	tatggaggag	gttctagtac	cctcatttta	catagaggaa

FIGURE 3-Q

59341	aactaaggcc	caagaggKca	aggctctcata	actgacaaat	ggcagagtac	accgaggctg
59401	aaactgctaa	tggaaagcctt	gaaaggagta	actttgaaaa	aatgttttta	aaattatttt
59461	tacagatgag	gtcttgctat	gttgcccagg	ctagtcttga	actcctggac	tgaagggatg
59521	cctcctgcct	ccaçctcctg	agtagctgct	gggactacag	gtgtgtgtta	tcatgtctgg
59581	cctgaaagg	gtaacttttt	ctgaggggag	actgttgggc	aatgagctta	accttcctga
59641	gcctcagttt	cttcacagtc	cagagcatgg	ctggtatgtc	tgattgtgga	gattaaataa
59701	gaaatactgt	aatcccagca	ctttgggagg	ctgaggtggg	cagatcacga	ggtcaggagt
59761	tcaagaccag	cctggccaac	atggtgaaac	cccgtctcta	ctaaaaatac	aaaaattagc
59821	caggcatggc	ggcgcgctgc	tgtaacttca	gctacttggg	aggctgaggc	aggagaattg
59881	cttgaacctg	ggaggcagag	gttgacagtga	actgagatcg	cgccattgca	ctccagccta
59941	ggcagagtct	cactctgtct	caaaaaaaaa	gaaagaaaaga	aagaaaaaag	aaatacacgt
60001	ggggaagtac	ccagtaaaaca	gtaggtgctt	gtttttgttt	ttgtttttgt	tttttattaa
60061	gaaatagtgg	ccactgggca	agagctacct	aaatgcctta	tagaggttga	ttcaacagac
60121	aacttatcgt	ggtggcccaa	acctttctct	caagctcaca	cctagaaaac	cagccatgat
60181	aggccctcat	atcctgtttg	gagtgctctga	gaatgcttgc	ctgcagatgt	gctagtgtca
60241	atgacttatc	actaaggagg	ggtaaaggctc	agagagagag	agagaaaacc	acttaggggt
60301	tcagggttca	gatatagcaa	agttcattct	gttaggctgc	tctcagggtc	actcagctaa
60361	tctaagaatg	gaggtcagtg	ctgcaaaagg	atagaagact	tcagttttgt	cttctccctt
60421	ccacaagtta	aaatgcccat	aaaacagtaa	ctttggggaa	aatcacactc	tcgctcccaa
60481	agagctctct	tcccctaagc	cagactcctt	agtgattcat	gccctgagct	agacattgga
60541	ctagtggagg	cctcaggtgc	cctccaactc	tatgattctt	tggtcttact	ccacattgaa
60601	gagggtgat	ttagagttgg	aggaaagaaa	aagcctgcag	gatagacgta	tcttcagcct
60661	tagaagacca	aggcacagct	ctacatgtgt	aacgacatgg	gcaccacagt	gcaggcgtct
60721	ggtttcccac	caaggaaaag	cactgtctca	ttgattttac	cttcaacagc	atctgggtatt
60781	ttataagtct	ctggcttggc	ctttgagat	acttaaaaaa	agggagattg	tgatccagtt
60841	ggcgctggca	tacctttaa	agccaaatag	aaacaacata	aagcaaaaca	aacaacacac
60901	acagaataaaa	agtggcagca	tttaggtaca	aaacacaaaa	ttgcttttcc	tggacaacag
60961	gggcagctgt	gtcgagcagc	tccataaggc	tgtggggttg	ttctttcccc	taggaacagt
61021	gtgtgaaata	agagaaaag	gaaagcaggac	ggctcggcta	atatttttac	aggcatctag
61081	ggaagcagaa	ccattttatt	cttttagaaa	gcaagttcac	tagaagacag	tggggcattt
61141	caagtccttc	tgaaaaagag	gccacctatc	ttcaagttgg	gggctgccag	agtctattca
61201	ggccttttgg	agcctgaagg	atacagacgg	tttgtagaca	tcattccagg	gagcccaaa
61261	tgtgacattt	ttactttagt	ttcattttta	aaacccatct	tagaagaaga	cagtggtttt
61321	ctcaccagat	ataggtgctc	ctcacaggcc	tatcccatca	caacttttca	tgtgtaattt
61381	caaagtatgg	gacactttaa	ataaacataa	atcgcaatgc	caagttcctc	tccttagtcc
61441	cacttttgat	ttctttaaca	acttgatgca	tagaaacatt	ttccaggaag	aagtttgtct
61501	tctcaacatt	accctaaagt	aggcgagtc	ttgacactct	tgccagattg	ccctagctcg
61561	gggcagattc	ttatggtatt	taaaatatat	ctgaagatct	tctttctagg	tgggaaaaaa
61621	ttagaataaaa	ttaatcaggc	agcatttttc	agtaagtggg	caggatgata	cagttttattc
61681	attcattcaa	caagccagag	tattctaattg	tgtaaggaat	tgggggtgta	cagtaagtaa
61741	tcttatgttg	ggatgtgtgt	gtgagtggaga	gataaacaga	aggcttttaa	caaccataac
61801	taccagacat	agataggcac	agagtgtctc	gggagcatct	acaagggcta	ttggtaaata
61861	cataagtaga	ctcacaacaa	ggaattgggt	tttatcttta	tcattctttt	cctgcccttt
61921	gtccaggaca	tcgacatctc	cccacaacag	gtctgcaatg	agtagtaaaa	ctgacagaaa
61981	agaggctggg	gtttgatggg	ccccctctct	tctctctcca	ccctctcctt	gtggctcatcg
62041	tgacaccaac	cctgcaaaag	agcccaagaa	acaacccaaa	gatggaacaa	tgccagaggg
62101	gagatgtggg	agatcgggca	accaatacgg	agctcagtca	tttgggcaac	cctcaaagtg
62161	acaggctccg	cctcaaacat	cactttcaac	ctgcagcaca	agactctgag	acaggaaatg
62221	ttatgtgact	gtttcgagc	tagagagcaa	ggaggactca	acgtgctggt	caacctgtat
62281	tctcatggta	tcaaagacgc	tgagaggtgg	gcacatatct	gccaatctcc	cggagagaaa
62341	gcacactcca	agcctctggc	gtcagcttgc	cagcttcaact	cgctctatca	gggagcctgg
62401	cccacagcgg	ctgtgctggc	cacagatccc	atgccattct	ggtggagaag	cccatgtagc
62461	cacctccttg	cagaagtctg	tgtccctgtc	ctcctgctca	gccccactct	ggattttcct
62521	catgtcaaca	cagatgattc	cttccctctc	agcttcaatg	atgcctgttc	tactcccaaa
62581	tacattgcta	tagtgatgga	cttcattttc	tgtagctctt	tctttctccc	aataggttgt
62641	aagtggtcac	ttcagcatag	gaactacagc	aaccgtcctt	tgctattccc	tccaggaaaa
62701	aaatggcaca	cacatttaag	acagatggcc	cttgaaaaat	gttcagactg	gttaaggagc
62761	tagaataata	actcagagct	taacaatata	gtattgacct	aaattgctct	tctaagggct
62821	aacagtccaa	aattcctcag	agaaaggatg	tccactaacc	agcaacatac	aaaagtgcc
62881	aattctccta	atctccttat	agaatgaatc	aggaggctat	aaaattgcta	ccagaaactc
62941	atattcacac	aagaatacat	acttgcttac	ggattaagac	tgcggggctc	tggtggcgga
63001	tggtccaggt	tcagttcttg	gctttgccaa	atacaaatca	tatggcctaa	agtaagttac

FIGURE 3-R

63061	ctaacccttcc	tagacttccag	tttccctcatc	tgttaagtgg	gcccataaca	gtagtcaact
63121	cctgtgactg	ttgtgagatt	aaatgagatg	atgtatagaa	acctctccac	aaatgcccac
63181	tggatagagt	actcaaaaaa	tggtggctat	tgtcaaagca	ctttttactt	tatggaatcc
63241	tctgcataca	ttattttgtt	tcccacaaca	actgtacata	ttggtactat	tagcctgttg
63301	tgtggaggag	gaaagtgaga	ttccaaagtt	taagttattt	actggaggtc	atgcagatag
63361	caagtggcct	gaccaacatg	ataaatcggt	tttctgact	taccagttac	tcccacatat
63421	cagtgtgagc	acccattcca	gtgctctttc	catttttacca	tgtgagatct	cagagtactt
63481	ggaacccaca	gtacactatg	gacaaatatt	attctatata	gaacatggtc	tctggaggag
63541	aattgtttca	gaagatacag	gctaagaagg	ctgattaaaa	cacttggtca	gaaaactatt
63601	tcaaaattca	ttatcttggg	aggccgaggt	gggcggtatc	cgaggtcagg	agatggagac
63661	catcctggcc	aacatgatga	aacctcgtct	ctactaaaaa	tacaaaaatt	agccgggctg
63721	gggtggcacat	gcctgtaatc	ccagctacga	gggagggtga	Rgcaggagaa	tcgcttgaat
63781	caggagtcga	gaggttgtag	tcacgccaca	tcacgccaca	gcactccagc	ctggtgacag
63841	agcgagactc	cgtctcaaga	aaaaaaaaaa	aagtactact	tgtattttgt	ctctaacatc
63901	ataaatcaca	tagggctaag	tcagtgtttt	ctggctgggt	taatgattta	caatgttcct
63961	cccaacatgg	cggggctgta	tcaaaaaact	ttgtaaaaact	ttacaattta	ggagaggaat
64021	tcgaaaaagg	tatttagtta	ataattctct	gacaattttc	tcatatttga	caaatctgat
64081	aatatccact	ttcccacagg	aactttgccc	atttctcatt	gagcaattta	aataatcttt
64141	gcagtaatga	catacataac	cataaaaatac	ttctaattctc	tgaaactaga	tttcacatta
64201	gtcgttttgt	aagtgcacaa	attcaaaata	gtatataaag	cactaataat	gtaatagttc
64261	aaaaaaatta	atgaatcaga	atgagtttaa	aatagttttc	agtgtacatt	gaattctggt
64321	gctttgacac	aaagcctatg	atgagttgac	atggaaagcc	atatggggcc	accaaaggcc
64381	tctgagcatg	gaagattcct	tctctccatt	aatgtcaaat	atcttgaaac	ctggaggcct
64441	tgtttgcttc	cagttatcat	aagtattgct	ctcagcctca	gtcataatat	gagttgctta
64501	caactttaag	ttgtttgac	tggtgccttg	ggttcacaaa	aataaaaaata	agaaagagaa
64561	tgagaaggac	tagttgagaa	agagaggaga	aatgagaact	atttagaagg	cacagggggt
64621	caggatcatc	tcctatggctg	tgtcctagaa	agtacctggt	ggggattgat	gttgggtgga
64681	acattttctc	gtggcagctc	ccactggccc	atatagccta	tttgttgctc	aaaacagggt
64741	ggagaaacag	gaaagaggg	agaagaactg	ggaggtggga	agaaggggta	gttggaggta
64801	taatgttgta	ggccaagatg	ttcataaatt	gagtactaag	cctaaaggag	gctgtagatt
64861	tagaattttc	gaatcatcct	ctatgttgta	aaaaatagaa	tggaagaaaa	atgtatttcc
64921	tgagggtttt	agtttaacac	cagtgcttct	cctcttgaga	gcattagtac	agctttattg
64981	tgggactcta	acctcgctgt	atgattcttg	ttttaaaccg	tagtttgagt	attcagata
65041	ggatcctctg	ctttggggac	catggatggc	cagccttcca	tttcatgggg	ctttgcagga
65101	agccaggcct	gcggttactc	ccacatatca	gtgtgagctc	agtcaaatg	gactcattct
65161	caccttggtg	aaagtccagat	aaagtgggga	ggccaactca	tgttttccat	tcaaagggca
65221	gatacaagat	atactgtctt	agagatttgc	aagtgtacag	tacagtatta	ttccatgata
65281	gtcgccatgc	tgtgcgttac	atctccagga	cttactcatc	tcataactgc	aagtttgtac
65341	cctgtgacca	acatctccct	acttctctta	gactccagcc	cctggcaacc	acccttctac
65401	ttcaatgagc	tcaactgttt	ttggattata	tatatataca	tatacacaca	cacacacaca
65461	caatggtaat	gaatgtattc	attaacttga	ttgcagtaat	catttcacag	ggtgtaagta
65521	tatcaaacca	tcatgttgta	tagtttgaat	atatgcaatt	tttatttacc	aattatactt
65581	cagtaaagct	tggagtcgga	gggaagcaga	tatgttttta	gaccattgat	gtttccattt
65641	gtccttgcca	cttaacgcag	aaatgtaagg	gctgacttta	acatgattat	ttactgggag
65701	tacagactta	ctctcttgag	aaagcaatgt	gccagaagtt	cagggttctc	agcacacttt
65761	tccaactctt	ttagaaaagt	cctagaaaaa	taaaagtata	caagtaataa	tgttttgatt
65821	ttgacatgta	ggtaattaat	tttttaagta	caatcacata	aggtttcaag	aggtgcctag
65881	aaaaatgttc	tccaggcctt	cttgctctta	tcttctacac	attgattcag	Raaaaaaagc
65941	tgtattctga	ggtattacta	caattaccct	gaaatcactc	acaactttaa	gttgctcgat
66001	ctgttgccct	aggttcacaa	aaagaaaaat	aagaaagaga	atgagaagaa	ctagttggga
66061	aagagaggag	aaatgagaac	tactcagaag	gcacaggggg	tcaggatcat	ctccaattat
66121	cagaacacag	ctgttcgggt	aattctaagc	actagtcata	gatagactg	atacatctac
66181	tgtatctctc	tcttacatga	aagtaacggt	cataaagaact	gctgctctg	ctgttgctat
66241	tactaatatc	attgacagct	tactataagc	caggcataag	ctaagtgtct	cgcaaatagt
66301	atctcattta	atcctcaacc	aaagatagg	ttttataaat	ataaaacctg	gggtcctaaag
66361	aggctacata	acttctctgg	ggaaatcaac	agaaatgggt	ttccatttca	gttttgctc
66421	tgaccaacgg	acgaggaatg	gggttaggaa	gcaactgtgg	ttcaattcac	caagcagctt
66481	ttctccctct	gtgaattagg	tgtgcaatct	tggtgtcatc	atagcgaata	aagagagtta
66541	acaagttacc	attcccatat	gtgtaacatg	aaagggtttg	aagatgattt	ccaaagtcct
66601	ttattcctgc	aattctctag	aactcaatat	ccaagcagcc	ccgagttaaa	agtacaactt
66661	gtttgagcag	tcagcatttt	ctaaccacct	agttccagc	atccccttat	gatagtagta
66721	tggagatgtg	tatcttggtc	atctttgtat	tcccaatgct	gagcacagtg	cctggcacag

FIGURE 3-S

66781	aacaggtgct	caaaaaatgc	tgatgcatga	ataaataaac	aaaggaacac	tcaactgcat
66841	acaacatgga	tgtctgacac	tgggtccctg	ttcctttgat	gtctcttccc	tttctctcca
66901	gggatcctgt	ggggcttctc	ccctcctttc	actccaaccc	accccaatcc	aatccactga
66961	ctccaaacca	cttgcttaaa	cctgaaaaca	tctaagtgtt	ttcatctctc	aattccatca
67021	gtctcatttc	cacccttctS	ttactctcca	ttctttctga	taacatgaat	tattatatac
67081	ctgttgtgaa	attcgtaaag	ttctctaata	ttcccaaaga	gaaagtcctt	gttattctga
67141	agaacatctg	gaattagatg	ctttagccaa	ataaaatcca	ttggagtgat	atatccctgc
67201	agaggtgcaa	acaaggtagg	tgttacaac	aggaacatac	cagagatcat	ctgaattagc
67261	tactgcaaaa	cccaaaactt	tagtgaaatg	attgaagaat	atagcacact	tgtttcttga
67321	aagctatcgt	attgagtact	ttcttttgat	atcatttttc	tcatgtgccc	actttcagaa
67381	ggagatggct	taatggcaat	gatcataaaa	tggcattttt	gtgggaagaa	caaatatatt
67441	taaaaatggt	tatgttacac	aggtttaatc	taaaagaagg	gaaaatgtac	ccactgtttt
67501	atgaactaat	acaattacta	ttattattat	gattattatt	aatatttga	cgaagttttg
67561	ctcttcttcc	caggctggag	tgcaatggcg	tgatctcggc	tactgcaac	ctccgcctcc
67621	tgggttcaag	tgattcttcc	gtttcagact	ccaagtagc	tgggaattaca	ggcacacacc
67681	accacacctg	gctaattttc	gtatttttag	tagagacagg	gtttcaccat	gttggccagg
67741	ctggtctcaa	acttctgacc	tcaggcgatc	caccgcctc	ggcctcccaa	aatgctggga
67801	ttacaggcgt	gagccactgc	atccggccca	ataattattt	tttaatatct	gaataatggt
67861	tactcagcat	atatatcata	gtttactaaa	cattcccttt	ttatggacat	ttgggttgct
67921	tctaataattt	tatggtaaaa	atgtgattat	aaataatcgc	gtacataata	ttttttcctt
67981	aagattattc	ccttaggaaa	atagggaata	catgcatttt	tactcttaag	aaaaagacta
68041	ctttaaaaaa	acaagaaata	atcttccctt	attaaagtat	caggaacact	tataatatcc
68101	tttgttggca	agaagatggt	aaacctattt	gggctttgct	ggaatcagtg	tgaactggct
68161	taattctttg	gaaactattt	ggctacatgg	atcaagaaac	cacagggatg	ttcttattcc
68221	tactggagac	acttgtaata	ttctaagacc	tgaacacctg	gtgggaattc	tggaacttcc
68281	tggcaactat	tttgagtctc	tttgtacaac	aaaacatctg	cagtttgaat	atatgcttga
68341	tacccactc	cccaaactca	cttacatcaa	ttatgctttt	aatctctttt	atgtaaatct
68401	cttcagtctc	aagcaagtca	cgtataatgc	gcctgaatca	cagcagcagg	tgggaggggtg
68461	aaagagagag	agacagggag	aggagaatgt	tcttttagaa	ttctgttaga	ataatgctca
68521	tcaatacagt	tcccttttag	tggctcacct	acttagtttc	tggtcagttc	attctgttct
68581	attgaacacc	caaggtcagc	atctcacaaa	cgcacactgt	gatcacactg	gtatcaagaa
68641	gaaacagcaa	ggttagagaa	ctcaaaatcc	tttaggcagc	cagtgaatga	cctgtcctct
68701	gggtgggcca	tatagtgtgg	gtgtcaagaa	gggagatggt	ggagtacaga	ataccaggtc
68761	tggatcctta	gtcaaggaag	gtctgectga	ccccaccccc	acccctata	ttgtatacat
68821	tgtataagtg	gtttcctaga	ttttctctcc	agctttctgc	tcacatcaag	ctttcttttc
68881	cttttaagag	aaaggttctt	gccctgttgc	ccaggaatga	gtgcagtggc	atgatcatgg
68941	ctcactgtag	ccttgaactc	ccgggtcca	gcaacctcc	tgctcagcc	tcccaagtc
69001	ctagggctac	agatatgcac	catcacaccc	agctaacgcc	tttttttttt	tttggtagag
69061	atgaggctct	gctatgttac	ccaggctggt	ctcaaaactgc	tactttcaag	caatcctcct
69121	gcctttgcct	cccaaaactgc	tggttgatata	ggtgtgagac	actgtgccag	gccagatcca
69181	gatctttgac	ccatatggat	gtattttggt	gtacatgggg	ttagatgtat	gtagtctct
69241	tcctctggca	ttggatgttt	cactgtgatt	tcctaaggca	aaagatatga	cttctgtctg
69301	cttctgtcaa	ggaatgcagg	tggaaagtgt	ggtggacaga	atttaagacg	gtccccaaga
69361	cttctgcccc	cactgcacat	acgcctcttc	caatcaaaca	ctaatttagg	ggatgctgtg
69421	gaaggatttt	gctgttcatt	tgataggtaa	tccagttggg	cctgtcctaa	tcatatgaac
69481	tcagatctat	Mtgggtcaag	tggtcagaga	ctggaagcat	aaaaaagatt	caacacaaag
69541	gagattcccc	tttgctgact	tttgagatgg	agggggccag	atggaatgga	atgtgggcag
69601	ccgtaggaac	tgagagtggc	tcccagctga	caggcagcaa	ggaagggaaa	tcagtcctat
69661	agttgcaagg	aaccgagtcc	tgccacaacc	acgcgaactt	agaagaggat	ccagagctcc
69721	acatgaaaac	acagccagcc	aacaccttga	ctttagcctt	gtgggactcc	tgtcccaggg
69781	aaactgtagg	tctcctaagt	ttgtgttcag	tttttatata	gcaatagaaa	accagtagaa
69841	agagtaaggc	cagtccccac	atctatccca	gacagacttt	ctttctctcc	tcaggctacg
69901	tggcatattt	tattatttct	tttaggagtc	caagttagatg	agtgtttata	catgtgtcct
69961	tgtgtagaat	atatatatatt	attcttgtta	actattgatg	gattatctat	taaatggcag
70021	cctctcctag	aaaatgattt	gtttttctct	cataaaaaatg	gatgtgacaa	atgatccaat
70081	agaaaaaaat	gggaaaggac	acaaaaatagg	agattcacac	aaatattcaa	atggatatga
70141	gactcgtgga	aaaaatactc	agtacataca	ttcaacgaag	gcatatttta	aaagagcaac
70201	aattttcatc	tattagaata	ttaaacattt	caaacctcat	agaaagactg	gtaaatgagg
70261	gtgtggaaaa	accctcacac	aatattggta	aaatgtgtaa	atttgtcaa	gctctttgga
70321	aggtaattta	gaaacatctc	accctaatgt	aaaacacgtg	ctccttggtt	cagtaatttc
70381	acttctagga	atgttcattg	tttataatta	ggacaatata	acttcaacaa	caaccagata
70441	taaactggtt	acttaaatgc	tcatcaaaaa	attatggtac	atgggccggg	catggtggtt

FIGURE 3-T

70501	cacccctgta	atcccagcac	tctgggaggc	tgaggcaggt	ggatcacttg	aggccaggaa
70561	atcgagacca	gcctgggcaa	catgggtgaa	ccctgtgtct	actaaaaata	caaaaaatta
70621	gatgggtgtg	gtagcgcatg	cttgtaatcc	cagctacttg	ggaggggtgac	gcaggataat
70681	tactcgaacc	caggagggtg	agattgcagt	gagccgagat	cacaccattg	cactccagcc
70741	tgggcaacaa	gagtgaact	ccatctcaaa	aaaaaaatat	atatatacat	acatatagat
70801	atagatagat	atatgtgtgt	gtgtgtgtat	atatatatac	atatatatgg	tacatacata
70861	taatgatgaa	ataccatgca	attgttaaaa	agaatgaggc	tgactaaaac	actgatatga
70921	cagaggccag	gtatttttag	tgaaaaaaca	aaacaagacg	tagacaagta	agcatagtat
70981	gactatttgt	gtaaaaaatg	aatgtgtatg	tagaaatata	cgtaaaactg	tatatgctca
71041	gaaaatttat	gcaaagaaac	ttaacacatt	gttaaaagtg	attgcttttg	gagagtggta
71101	ctgaaagcta	aagtatggga	aaggagaatt	tctacatctt	actctatacc	cttctacaat
71161	ctttttttaa	gtgaaacatt	tactgctttt	ataatggaaa	aatagggttt	acataatatt
71221	ttaaaatgaa	tgttactgga	ggtaatgata	tgtaaacctt	atttgataga	tataaataaa
71281	taatacaatt	cacatatatt	acagctcatt	attctttctt	ataatcattt	ttgtgtctat
71341	ttataaatac	ttgtataaga	caagactgat	aaacaagatg	taccacagag	gatgtaattt
71401	ccggaagtct	aaaactccca	aaaagttact	taaacatcat	actttactaa	gtcactgaga
71461	aagaggttcc	tatgcctttt	ataaatcacc	cggaacaac	aacggtttct	atgtcagaag
71521	gaagtacagg	cctcaatacc	aatatgtttc	tacgagccct	ggcatcaagt	gggaccacag
71581	caacagttaa	gcattcatgg	aaaacctgag	tacaatcagc	ctcttatgcc	ttcatgaagc
71641	actgggctta	agcaacttgg	caagctggct	tcaggatgca	tgacaatta	aaggaagtca
71701	gaaggcagaa	ataaccagga	ggtggacaga	agtcaagggt	attatccaaa	aatgatctat
71761	gaacttaaga	gactcttagg	agcttttagg	actctaatac	aggaaaaata	tcacatctct
71821	gaaggaaaag	aaatcccttg	gtcatattct	ggattacagt	ttggaaaaaa	agtctagaaa
71881	tctcatccaa	ctgcttcatt	ttacctgttg	gagtgcagaa	gataaaatgc	caaggatagg
71941	aactccactg	aagaatgtag	gcaaatcaat	attcattaaa	tacattcaaa	ttaatatatg
72001	acttaaaaag	agccctcaca	tcagtgttag	gccattgctt	ttccttgctt	ctcttgtttt
72061	cctttcaaat	acctttataa	aataggagaa	aatgtatgac	tctttttttt	tttttttttt
72121	ttttattata	ctctaagttt	tagggatcat	gtgcacattg	tgacaggttag	ttacatatgt
72181	atacatgtgc	catgctgggt	cgctgcaccc	actaatgtgt	catctagctat	taggtatatc
72241	tcccaatgct	atccctcccc	tctccccga	ccccaccaca	gtccccagag	tgtgatattc
72301	cccttcctgt	gtccatgtga	tctcattggt	caattcccac	ctatgagtga	gaatatgcgg
72361	tgtttggttt	tttgttcttg	cgatagttaa	ctgagaatga	tggtttccaa	tttcatccat
72421	gtcccacaaa	aggatatgaa	ctcatcattt	tttatggctg	catagtattc	catgggtgat
72481	atgtgccaca	ttttcttaat	ccagtctatc	attgttggac	atttgggttg	gttccaagtc
72541	tttgctattg	tgaatagtgc	cacaataaac	atcgtgtgac	atgtgtcttt	atagcagcat
72601	gatttataat	cctttgggta	tataccagct	aatgggagtg	ctgggtcaaa	tggtatttct
72661	agttctagat	ccctgaggaa	tcgccacact	gacttccaca	atgggtgaac	tagttttcac
72721	tcccaccaac	agtgtaaaag	tgttcctatt	tctccgcac	ctctccagca	cctgttggtt
72781	cctgactttt	taatgattgc	cattctaact	ggtgtgagat	gatattctcat	aatgggtttg
72841	taattgcattt	ctctgatggc	cagtgtatgt	gagcatttct	tcatgtgttt	tttggttgca
72901	taattgtctt	cttttgagaa	gtgtcgttgc	atgtccttcg	cccacttttt	gatgggtgtg
72961	tttggttttt	tcttgtaaat	ttggttgagt	tcattgtaga	ttctggatat	tagccctttg
73021	tcagatgagt	aggttgcgaa	aattttctcc	catgttgtaa	gttgccctgt	cactctgatg
73081	gtagtttctt	ctgctgtgca	gaagctcttt	agtttaatta	gatcccattt	gtcaattttg
73141	tcttttggtg	ccattgcttt	tggtgttttg	gacatgaagt	ccttgcccac	gcctatgtcc
73201	tgaatggtaa	tgccatagggt	ttcttctagg	gtttttatgg	tttttaggtt	aacgtttaaa
73261	tctttaatcc	atcttgaatt	gatttttgta	taagggtgaa	ggaagggtac	cagtttcagc
73321	tttctacata	tggetagcca	gttttccag	caccatttat	taaataggga	atcctttccc
73381	cattgcttgt	ttttctcagg	tttgtcaaa	atcagatagt	tgtagatatg	cggcattatt
73441	tctgagggct	ctgttctgtt	ccattgatct	atatctctgt	tttggtacca	gtaccatgct
73501	gttttggtta	ctgtagcctt	gtagtatagt	ttgaagtcag	gtagtgtgat	gcctccagct
73561	ttgttctttt	ggcttaggat	tgacttggcg	atgcgggctc	ttttttggtt	ccatatgaac
73621	tttaaaagtag	ttttttccaa	ttctgtgga	aaagtcattg	gtagcttgat	ggggtatgca
73681	ttgaatctgt	aaattacctt	gggcagtatg	gccattttca	cgatattgat	tcttcttacc
73741	catgagcatg	gaatgttctt	ccatttggtt	gtgtcctctt	ttatttctct	gagcagtggt
73801	ttgtagtctt	ccttgaagag	gtccttcaca	tcccttgtaa	gttggtattc	taggtatttt
73861	attctctttg	aagcaattgt	gaatgggagt	tcacccatga	tttggtctct	tggttgctgt
73921	ttgttggtgt	ataagaatgc	ttgtgatatt	tgtacattga	ttttgtatcc	tgagactttg
73981	ctgaagttgc	ttatcagctt	aaggagattt	tgggctgaga	cgatgggggt	ttctagataa
74041	acaatcatgt	cgtctgcaaa	cagggacaat	ttgacttctt	cttttccctaa	ttgaataacct
74101	tttatttctt	tctcctgcct	gattgccttg	gccagaactt	ccaacactat	gttgaatagg
74161	agcgggtgaga	gagggcatcc	ctgtcttgtg	ccagttttca	aagggaatgc	ttccagtttt

FIGURE 3-U

74221	tgccattca	gtatgatatt	ggctgtgggt	ttgtcataga	tagctcttat	tattttgaaa
74281	tacgtcccat	caatacctaa	tttattgaga	gttttttagca	tgaagggttg	ttgaattttg
74341	tcaaaggctt	tttctgcatc	tattgagata	atcatgtggt	ttttgtcttt	ggctctgttt
74401	atatgctgga	ttacatttat	tgatttgctg	atattgaacc	agccttgcat	cccagggatg
74461	aagcccactt	gatcatgggtg	gataagcttt	ttgatgtgct	gctggattcg	gtttgccagt
74521	attttattga	ggatttttgc	atcaatgttc	atcaaggata	ttggtctaaa	attctctttt
74581	ttggttgtgt	ctctgcccgg	ctttgttatc	agaatgatgc	tggcctcata	aaatgagtta
74641	gggaggattc	cctctttttc	tattgattgg	aatagtttca	gaaggaatgg	taccagttcc
74701	tccttgtacc	tctggtagaa	ttcggctgtg	aatccatctg	gtcctggact	ctttttgggt
74761	ggtaaaactat	tgattattgc	cacaatttca	gagcctgtta	ttggtctatt	cagagattca
74821	acttcttcct	ggtttagtct	tgggagagtg	tatgtgtcga	ggaatgtatc	catttcttct
74881	agattttcta	gtttatttgc	gtagagggtg	ttgtagtatt	ctctgatggt	agtttgtatt
74941	tctgtgggat	cgggtgggat	atccccttta	tcatttttta	ttgtgtctat	ttgtattctt
75001	tctctttttt	tctttattag	tcttgctagc	ggctctatcaa	ttttgttgat	cctttcgaaa
75061	aaccagctcc	tggattcatt	gattttttga	agggtttttt	gtgtctctat	ttccttcagt
75121	tctgctctga	tttttagttat	ttcttgccct	ctgctagctt	ttgaatgtgt	ttgctcttgc
75181	tttttagtct	cttttaattg	tgatgttagg	gtgtcaattt	tggatctttc	gtcttctctc
75241	ttgtaggcat	ttagtgtctat	aaatttccct	ctacacactg	ctttgaatgc	gtcccagaga
75301	ttctggtatg	tgggtgtcttt	gttctcgttg	gtttcaaaga	acatctttat	ttctgccttc
75361	atctcgttat	gtacccagta	gtcattcagg	agcagggtgt	tcagtttcca	tgtagttgag
75421	cggctttgag	tgagattcct	aatccgtagt	tctagtttga	ttgcactgtg	gtctgagaga
75481	tagtttgtaa	taatttctgt	tcttttacat	ttgctgagga	gagctttact	tccaactatg
75541	tggtcaattt	tgggaattccc	tgctttatta	ttctaaagca	agcttgtcca	acctgcccgc
75601	tgtggcccaa	cacaaatttg	taaaactttc	taaaacgtta	tgagattttt	tttgcgattt
75661	ttttttttac	tttttttagc	tcaccagcta	tcgttagtgt	taatgtattt	tttgttttgt
75721	tttgttttga	gacggagtct	tgctttgttg	ccaggctgga	atgcagtggg	gcagtctcgg
75781	ctcactgcca	cctctgcctc	ccaggttcaa	gcaattcccc	tgccctcagac	tcccagagtag
75841	ctgggactgc	aggcgtgcgc	caccatgccc	agctaacttt	ttgtattttt	gtagagatgg
75901	gggtttacca	tgttggccag	gatggctctt	atctcctgac	ctcgtgatcc	acctccttg
75961	gtctcccaaa	gtgctgggat	tacaggcgtg	agccacctcg	cctggccagt	gttaatgtat
76021	tttatgtgtg	gcccagagca	attcttcttc	ttccagcgtg	gcccaggaaa	gcccagagat
76081	tggaaccccc	tgttccaaag	catgtaattt	tattcacaga	aaagactctc	ggccgggggc
76141	gggtgctcac	gcctgtaatc	ccagcacttt	gggaggccga	ggcaggcgga	tcacgaggtc
76201	aggagatgta	gaccatcctg	gctaacacgg	tgaacccccg	tctctactaa	aaatacaaaa
76261	aattagccag	gcgtgggtgt	gggtgcctgt	agtcccagct	actcgggagg	ctgagacagg
76321	agaatggcgt	ggaccccggg	gggtggagctt	gcagcgagcc	gagatcacac	cactgcactc
76381	caatctgggc	aaacagagca	tatccgtctc	aaaaaaaaaa	aaaaaaaaaa	aaagactctc
76441	aaggattttac	catctaaaat	catcaagtgt	atatcatgca	gatgaacaac	agaaaacact
76501	gggagtattc	aagtaattaa	aaataacctt	tcagcaccaa	cagcaatttc	tgtcctgatg
76561	gcaatctact	cagagctaga	ggactgcact	taggatacca	aagggaagct	aggatgcaag
76621	agcagcctgc	actaatgtac	tctcgcttag	ttacatccg	ggcactttgc	tttacgtttc
76681	aaaacagacg	ccgcccttag	ctcattaaag	gggaaatgga	ggtataatgt	gttttaaagg
76741	gatgtttctt	ctctgaagcc	atatttcagg	gtagcatgaa	aacagagctt	tggatatctg
76801	gttccattct	acatgacacc	tcatgcttgt	ttcaaagtac	accacaacca	aggggcagga
76861	atgaaaggaa	tatgctaaaa	aaaaaaaaatg	caatcctttt	tagcaagaaa	gatcattaag
76921	gatttctctga	taagtttctt	ctttgttcat	gtgccctcct	ctgctccccc	tttgaactac
76981	tgcccctgtc	acccccctt	ccccgcctcc	ccgccgtttc	tcagttctcc	aatagggatc
77041	cagtctgcca	gaggtctatt	tttgtcatt	attgtcaaca	caatttgcca	tcaagagttt
77101	tcacttactc	ctgctatcct	atcatcacat	tatgcatgtc	agaaagcatt	acagattttt
77161	acttttcaag	aacccgaact	cagattttcca	ggcttctgtc	cttctgtttt	catgctgttg
77221	actctcccac	atctttgtct	tctctctaga	cctttgggtca	ctcttgagcc	cacattgcca
77281	atggtctata	tcattttcac	ctggatgcct	cccagacacc	tcagtcacat	caagttgaaa
77341	tagaactaat	tagacagaag	tagcatttgt	ttcagtgga	ctgacatttt	tctagggtcc
77401	ctaaaacaca	ggtgttgttt	caaactcccc	cctccaacat	cccttatatt	ctctctgtca
77461	cccaggtctc	ttatatcatc	tctcaacatg	cttctgggt	gactactgac	tctccacttc
77521	tgggtgacacc	ccacagagca	agctttcaat	tctgtcatt	taaacacttt	agtgcactca
77581	tagaatctca	tcttctgtag	atcttctctc	caccagtcta	ttttgcagac	caccaggcta
77641	cgcccttcca	aaagctcctt	tgagatggag	tttactctt	gttgcccagg	ctggagtgc
77701	atggcatgat	ctcggtcat	tgcaactgcc	acctctcagg	ttcaaatggg	tctcgtgcct
77761	cagcctcccc	agtagctggg	gttaaagtgt	cctgccacca	taccagctga	aattttgtat
77821	taggggtttt	acctggttgg	ccaggtcgtg	ctcgaactcc	tgacctcagg	tgtctgtcca
77881	cctaggcctc	ccaaagtgtc	gggattacag	gtgtgagaaa	ccacgcctag	tcccccaaag

FIGURE 3-V

77941	ctccatTTTT	atcctgtctt	cattctctct	tcaagaactt	gcccacagct	gccagagttc
78001	cttctaagag	tttaagactc	tctgttcatg	tggtagaagt	cttcttaagg	agcttgcttt
78061	aaaggtaaaa	ccagattttac	acatcagaat	ggggagaggt	gggtgggagc	taagatggaa
78121	tctgtaatTT	tcacaagtgc	cctggatgat	tctactgcag	atgggtctcct	attcaactaa
78181	atagcactca	tctgacccac	tccttttaga	ccccacttct	gttaagccag	tggtatcgct
78241	atTTTccact	ttctttcaag	ttctaatacat	ccttaaaact	ccaacagctt	cagctgaaat
78301	cagtaccaca	ctctcatcct	tgTTTTccac	ccaaaaacta	ttgtactaat	tgaccagaca
78361	tgtattgatg	ccctactatg	agcctggctc	catgataggc	acttgggata	gagaaatgta
78421	ccataatcct	gaccttaata	aatttagagt	ctaagtgaag	agataaaaaa	aatcaatgat
78481	tccaatgagt	gtgataaggt	aaggctagtc	agaaaagtca	ggtgcagagg	aggggcaact
78541	aattaaacca	ggggttgggg	gagacactgc	caactctgtg	ttgagtgaag	tttaagcaga
78601	ggtTTTTctt	taagtaaaaa	atcagTTTT	ttaaataaaa	agTTTTttaa	aaagtaaggg
78661	ggagtagaag	aaggagggtt	gtccctaagg	ggaacagtgt	ggaggaggaa	aggaggtgaa
78721	agtgtatgct	attctgtgta	ctggcaaat	ctttggtggg	tgatatggtt	tggtctgtg
78781	tcCCcaccCa	aatctcacct	tgaattgtaa	taatccccac	atgtcatggg	agggacccag
78841	tggaagtaaa	ttgaatcatg	agggcaggtt	tttctctgtc	tggtctcatg	atagtgaata
78901	agttctcagga	gatctgatga	TTTTataaag	ggcggTTccc	ttgcacatgc	tctctgcct
78961	gccaccatgt	aagacatgct	tttgtcctc	ctttgccttc	caccatgatt	ttgaggcctc
79021	cccagctatg	tgaactgtg	agtccattaa	acctctttcc	tttataaatt	accaggtctc
79081	agctatgtct	ttattaggag	catgagaata	gactaataca	gtaaattggg	actggtagag
79141	tggtgtgctg	cagtatctga	aaatgtggaa	gcaactttgg	aactgggtaa	caggcagagg
79201	ttgaaacagt	ttggagggtc	cagaagacag	gaagatgtgg	taaagtTTgg	aacttcctag
79261	agacttgTTg	aatggcTTTg	accaaaatgc	tgatagtgat	atgggcaata	aagtccaggc
79321	tgaggTggTc	tcagatagag	atgaggaact	tgTgggaat	tgagcaaaag	gagactcttg
79381	ctatgtTTTa	gcaaagagcc	tgccagcatt	ttgccctgc	cctagagatc	tgTggaatt
79441	tgaacttgag	agagatgatt	cagggcacct	ggcagaagac	acttctaagc	agcaaagcat
79501	tcaagatgtc	acttgagtgc	tgTtaaaagc	attcagTTTT	atgtattcac	aaagatatgg
79561	ttcggaaattg	gaacttatgc	tcaaaaggga	agaagagcat	aaaagttcag	aaaattggga
79621	gcctgatgat	gtgatagaaa	agaaaaacc	atttctgag	gagaaattca	agcctgctgc
79681	agacattttgc	ataagtaaga	tgagccaaa	tgTtaatcac	caagacaaag	gggaaaatgt
79741	ctgcagggca	tgTcaaggac	ctttgtggca	accctcccca	tcacaggctc	aggcctagga
79801	ggaaaaagtg	gttttTgtgg	cccagccgg	ggaccctgc	tctatgcagt	ctagggactt
79861	gtgTccctgc	atgccagttg	ctccagccat	ggctgaaagg	ggccaaggta	cagctcaggc
79921	cattggttca	gagatgcaag	cctcaagcct	tggtggctta	cacgtagtgt	tggtcctgtg
79981	ggttcacaga	agtcaagaat	tgaggtggat	gtacagaaat	gcctggatgt	ccaggcagaa
80041	gtttgtctga	ggggtggggc	cctcatggag	aatctctgct	aggggagtat	ggaagggaaa
80101	tgtgggctg	gagtccccac	cagagtggcc	cactgggaca	ctgctTgtg	gagctgtgag
80161	aagagggaca	ccatcctcca	gactccagaa	tggtggatcc	accaacagtt	tgaccatgt
80221	gcttggaaaa	gctgcagata	cccaacacca	gcccatcaaa	gcaaccacaa	gggggctgt
80281	accctgcaaa	gccacagggg	cagagttgcc	caaggctgtg	tgTggaaccc	acctcttgaa
80341	tctctatgag	acatggagtc	aaaggagatt	attttggaac	tttaaggTtt	gactgtctta
80401	ttggatttca	gactcgcata	aggctgatag	cccctttgtt	ttggacaatt	tctcccattt
80461	tgaacaggta	tttttaccca	atgtctacac	ccacatttta	tctgggaaat	agctaacttg
80521	cttttgattt	tacaggcaca	taggtggaag	ggactTgcct	tgTttcagat	gagactttga
80581	actgtggact	tttgagttaa	tgctgaaata	agtctTtggg	ggactgtTgg	gaaggcatga
80641	tttTgtctga	aatgtgagga	catgagattt	gggagggggc	ggggtgaaat	gatatggttt
80701	gtctctgtgt	cccagcttc	atcaggatcc	tcccacacat	ccccattcta	agttgcaggg
80761	tcccattctt	ttccaatcaa	tgccctcatt	ttaacagtag	acacctggtg	aggctgtgca
80821	tgcacctttc	attgcaggtc	agccgctccc	atgataagag	cttTtatctg	attttccaca
80881	atttcagctc	tttctctaca	agagataaga	ctctcactct	ggacaatctt	agaagatttg
80941	aggctcagtg	tatgcttctg	gagctgggag	ttagaatccc	taagtTcatg	gttttcttct
81001	atcagtttgt	ccagtgaact	taggagcaac	caaccaactt	cgTtatattc	cttggctcct
81061	tatatatggt	caaaggTatt	atgtatagag	tcattaaact	ccttgctctc	catgagtggt
81121	gaatcaggag	tactgaatgc	atttcttttg	cataagtgtt	tgaacagttc	gtgccaagga
81181	ctatcagTgt	tctccacaca	attagaagta	gagTccttag	cattttgggg	tctaatacata
81241	ttaagcaacc	aactccagaa	acccaaaaac	caactaaaga	aatctatcct	tctgtaatcc
81301	cagcactttg	ggaggccaag	gcaggcggat	cacgaggtca	ggagactgag	accacagtga
81361	aaccccatct	ctgctaaaaa	tacaaaaaat	tagccaggca	tggtggcggg	cacctgtagt
81421	cccagctact	cgggaggctg	aggcaggaga	atggcatgaa	tccaggaggc	ggagcttgca
81481	gtgagctgag	attTgcgccac	Tgcactccag	cccgggtgac	agagtGagac	tccagctcaa
81541	aaacaaaaaa	aaagaaaaaa	aagaaattcca	tccttaaaat	tctgtTcctc	tagaacattt
81601	cccagTacca	aaatctgatt	aaaaaaaaaa	aacaggcaga	ggaaggtgga	aggactagat

FIGURE 3-W

81661	ctttctccag	tgctggatgc	ttcctgccct	ggaacatcag	actccaagtt	cttcagcttt
81721	tggaactctg	gacttacaac	agtaatttgc	caggggctct	ttggcacttg	gccacagact
81781	gcaggctgca	ctatcagctt	ccctattttt	gaggtttttg	gactcagact	ggcttcctga
81841	ctcctcagct	tgcatatgcc	tattgtggga	cttggtatct	tggtattgtg	tgagtcaact
81901	ctcctaataa	actccccttc	atataattcat	ctatcctatt	agttctgtac	ctttagagaa
81961	cactgactaa	tgccgtgggg	ttaagccaat	cgctctagtag	gttcataaaa	tgctaaaagc
82021	agatataaac	ttaaagacga	tccagctcat	ctcttcattt	tacagatgta	aaaacagaag
82081	tagaaaataga	attggaaccc	cagtttcttg	aaacccagtg	tttgcataat	accatgctaa
82141	tttcattcta	atttgtgttt	tatttaataa	tcaggaaaaca	gttcaaatag	aggcccaggg
82201	ctctgaaaca	ttgcccaagg	tctatggctt	ttgcaaagca	agtactgttt	ctgctacttt
82261	acctagtgtg	tcttggccta	tgtttggggg	gcatctaaag	aactgtttgc	tgattattaa
82321	ataaaacaca	aattagaatg	aaatttagcat	gggtgtataa	aaacacaggg	tttcaagaaa
82381	ctgggggttc	agttctattt	ctacctctag	gatacagggt	aagtcacttc	ctttctcaga
82441	ttctgtttct	ttgtatgtca	aagggtctgga	ttagataaac	ttgacttccc	ctcttgcccc
82501	tcatgtatca	ttctataaat	atgttatcat	ttctaataga	ctgtttgatg	taatcttttg
82561	tctaattggc	cctgtctttc	acaataaatg	aaacaaaggt	cacaagactt	ttattcattt
82621	gcaaccctga	ttaactaaca	gttaattgtg	aactggagtg	ccacatagaa	acagaaagga
82681	gaaggggaat	ggattgggtt	ggagaagggtg	aagtctgacc	tatcctctac	aagaggtaca
82741	gggtttatcc	aggaagacag	gagtgccatg	aggagtaaac	tccagcaggg	gctggagtca
82801	tgccacacaca	cagggcctta	caggatccag	gctgcccaga	gcagagtttg	gatgggggct
82861	gggaggctgg	gggagctagc	tgaggagatg	gttgtcatgc	caggccacga	gtgtggatga
82921	gtgctggcca	ggggagggtat	aggagattga	tggggctgtg	gcaagcaggg	cagataccct
82981	tccaggaacc	tgtttcatta	aacacagaat	acagtcctga	gggctcggtc	tcaatacagt
83041	cctgagggct	cggtctcagg	aaaacatgtt	cttaagtttt	acatccttct	tctgttttga
83101	ttagggtgtt	cctgattata	aaataaattc	ctagaactgt	taatggtaac	aacacaaagc
83161	actatagacc	catacgagga	tcatattgaa	accaatgaca	tttaagaata	aaagatctga
83221	tgaatatgaa	cacttccctg	gttcctagga	ggataacagt	tgagttttgc	tcaggtaatc
83281	tgccctctct	tccttcttct	ctgctttRta	tctcagtttc	tatattttgt	cttacattaa
83341	taggtttgt	tctcattacc	ctgatgttt	tatggtaaac	tacctcaagt	tctttttgga
83401	agaagatggg	atataaatta	tttttaaggt	ttatctgaat	agatgttctt	caatatcaca
83461	caataaataa	tgacaatgta	actttgtgca	tatagcactt	taagagattg	atcataaaca
83521	caatcctatt	aatcttaatt	caagtttaata	atgcttgcct	ttgtatggca	ttttaggtat
83581	tataaagttt	tttttaattg	tggaatagata	tgcatataaat	ttactattta	taaccttttg
83641	aagtgtatag	ttcagtagtg	ttaagtacat	tcacaatggt	gtgtaaccat	caccactagc
83701	catttccaga	ctttttcatc	atcccaaact	gaatctctgt	acctattaaa	catgacctca
83761	ttctccacct	ccccacagct	cctgggaacc	tctattctac	tttctgtatg	aattttccta
83821	ttctaggtgt	ctcatataag	tggaatcata	caatattcat	cctttgggtg	ctggcttatt
83881	tcacgtagcg	taatgctttc	aagggttcatt	catgtttagt	catttatcag	aatttgattc
83941	atttttaagg	ctgaatatct	tccattttat	gtgtctacca	cattttgctt	atccattctt
84001	ctgttgatga	acacctgggt	tgttttcacc	ttttggctat	tgtgaataat	gctgctatga
84061	acactgatgt	gcaagtacct	gtctgtgctc	ctgctttcaa	ttttgggcat	atacctagaa
84121	gtgggattgc	tggtatcatg	gatcattcta	tttttaacct	ttttgaggaa	ttgccatacc
84181	accgcgtaca	gcagccgcat	cttttatatt	gccaacagtg	cacaaaggct	ctgattttct
84241	cactttcttg	tcaacattta	gattatcatt	ctttttttaa	aaaaacgtaa	tagtcaacct
84301	aatgggcatg	aagtaagggt	gtttttgttt	tttgttttta	atgtgtgcgt	tatcttactt
84361	gatccattaa	atccctaaca	agaactcctc	tagggcagat	gtcctgtcct	attcatcctt
84421	ggccccagtg	tcttgcaagc	aagtgaattc	tcaataagtg	ttaattgaat	ggatggttga
84481	tagatttata	ggatgcatgc	caattctgtg	gacgagagta	ggtactaatt	gttattttca
84541	tttcacagaa	gagcaagtca	gggctccgag	cactaagtga	cttggtgag	gtcaaactgc
84601	ctgcaagttt	tatctaatag	tgacagagga	accaatgtgt	cgagcatgaa	tgctcagcca
84661	ttgaaacagt	gcccactttt	ctgactctgc	tccttaagag	acagggcctg	tacagcaagg
84721	aacacagagaa	gcaggttaca	gaaaaggggc	tggtctcatc	gtgtatgcct	ggcattttgag
84781	gaatgtggct	gaaatctcaa	cactctggtt	cagaagcaca	tctgcaattg	aatattaaca
84841	gacatggtat	gagagatgtc	tggtatacca	aggagattcc	tagaatacag	cggataggaa
84901	aacctcatta	cttcaattcc	caagaaagag	tactactggt	agtaatccca	acaggagtat
84961	ccaagtaact	cggtaatctt	cagtaaagaa	aagaaattgt	gaaacaatta	tagtcagctc
85021	tccatctctg	taggttccac	atctgtggat	tcaactcacc	tcatattgaa	aatattaata
85081	aataaataaa	taataacaat	ataacaatta	aaataatgca	aatttttaaa	gcataacaac
85141	tatttacata	gtatttatat	tgtattaggt	attataagta	atccagagat	tatttaaaac
85201	atatgggaga	gtgtgcatag	gttatatgca	aatactacac	cattttacat	aagagacttg
85261	ggcatctgtg	gactttgtta	tctgcaaggg	tcctggaacc	aattcccatg	ggatactgag
85321	ggtcaactgt	accaagttga	aaacaaaaca	aaaggaaatc	tattgcaaaa	aggaaattcc

FIGURE 3-X

85381	caaagataaa	aagcatgtct	atgaaatagt	caaagagccg	aaaatgttgg	gaagacccac
85441	actgctttcc	ctgccctgtg	cccctttttg	cagatctatt	tgtgtcttta	tctaccagca
85501	gatattctat	tatttctaata	gattcctgtt	tttcccaaga	gggtttactt	atattattaaa
85561	tatgatgcaa	acatctctct	cagagatgtt	gctctctctt	cctaggattc	cttagcccta
85621	aatctgcaga	gccaatagg	tattaatatt	gggctttaca	actttggacc	atctgaccac
85681	caagactgat	tcattaaatg	tatatggttt	cagatcacat	taatttatca	tagacttttag
85741	aattggcttt	ttagaagtac	tgctataagg	aaaatctcag	catagcaagt	tttatctaat
85801	agtctacttg	tattaaagag	tactcaatgt	aaaccctagg	aagactttta	actgcctttt
85861	ggaaattggg	tgagtgggat	ttgaaccgtg	tactctctgt	aaagcaggaa	attatcactt
85921	agtaattact	aagtatttaa	aaatgggaaa	tagaaaatta	catttcagac	ctggtgcagt
85981	ggctcatacc	tgtaatccta	acactttggc	agggtggaggc	agggtggatcg	cttagcccca
86041	ggagttcaag	accagcctgg	gcaacatagt	gagcaactcc	atttctacta	aaaataaaaa
86101	aaattatttg	ggcgtgatgg	gggtgcactg	tagtccccac	tactcaggag	gctgagacag
86161	gaagattgct	tgagcctaga	aggccaagcc	tgagtgcagc	gtgaccggcc	attgtattcc
86221	agcctgagca	acacagcgag	accctgtctc	aaaaaaaaatg	tatattttta	aaaaaagaaa
86281	attacatttt	agttgttcca	taaataatcag	tacaacccaa	cctaagtgta	aaattccaaa
86341	cacaaatgat	cgctctggg	ccagccatgt	agcccccatc	ttgctgtcaa	taatcatttc
86401	caggggctgt	aattgtcttc	cttccccctg	taccacccca	tcacaggaca	caaatgtgtt
86461	tgcttagttt	agatagctgt	gactaaacta	agtccaatt	gtctttttaa	atatgtgtta
86521	atcagcactc	aagattgttc	ctacaaaaat	gtcactccct	cactcaattt	gcatgtgcc
86581	tcctgagtag	gagagaaaaga	gctgagttag	aggcagccct	ctgggacctg	cacagaaccc
86641	tgtatgcttc	cgaggagtgtg	gagtgtgtgt	ctgatctgct	gctgggaaaa	ggagaagaaa
86701	tgctgagaca	ctcactgccca	ggggctggtg	tcaggccatt	ttcacagggg	ctgttgagg
86761	gttgacagca	cagctctact	ggaccaggga	gggtcccagc	cagcagggcc	tgccctccg
86821	aaactgtccc	tgtccctgtc	cctgagaggc	cccactgagt	gtcagatggc	acataagaga
86881	tttccttatg	cgttggtgtg	aaggagatga	tcagtccag	gaggccccctc	ccccatgcag
86941	aagagaagaa	aatggaagaa	accgggttct	cagagtggcc	tgccgggtgag	tgccgccttg
87001	tgctgtcagt	tccttcacc	ttccagttct	gggtgtacct	agtgtggtt	catcaaatc
87061	ctgaggccct	ggaattgagg	gaggatgctg	aagggtgccca	ggccatagaa	gcagtagcag
87121	gagctgcagc	aaagagctag	tgtgtctcca	gcgtcagctt	ttgggccttg	gtggcatcaa
87181	aggagacgta	cacagggcca	ctgtactacg	gatgggattc	ttggaacaaa	agtttgaata
87241	attgatgagt	gtggaagtgc	tatgcaaaaa	ttcaattcaa	cctgcagtta	ccaggcattc
87301	attctgtgac	aggcattatt	gtgagggtgg	caaggagacg	gggagtctct	gagagactca
87361	gagaagagca	gggcatgggtg	tcaccccaca	agagatctga	agactttcaa	agtagttggg
87421	aaaacagaca	tacaactttt	ttcccctccc	cacagctagt	tgaggcaaaa	gacatataac
87481	ttatcacgtg	acaaaatact	actgactgtt	actgacacat	aacagcctgg	gctgggtcac
87541	tggtgagaaa	aaggaggatt	ctgtcttttg	gggcattcaa	gtcctgtcca	ttaaaccattt
87601	cccaatccca	tatttataca	tcccatttta	gacatattaa	gctgaagatt	gatgtgacat
87661	acccaaagac	acttaagggtt	gaagctgaga	atctgggcta	gaaatataaa	tcaggatggg
87721	ctgggagcgg	tggttcacgc	ctgtagctcc	agcacttttg	gaggccgagg	cgggcggtat
87781	acttgaaatc	aggagttcaa	gcctgcctg	gccaaatagg	tgaaacccca	tctccacca
87841	aaatataaaa	aattagccag	gtgtggtggt	gcatgactgt	aatcccagct	actcgggagg
87901	ctgaggcagg	agagtcaactt	gaacccggga	ggcagagggtt	acagtgaag	gagatcgtgc
87961	cactgcactc	cagcctgggt	gacagagcga	tacttcgttt	caaaaaaaga	aaaaaaaaaa
88021	aaagaaagaa	atgtaagtca	agattaaaga	caatgggtga	gatcagcaag	gagcatgtgt
88081	gcggaaga	gaacaccaag	gaaggctcg	tgtgtgggga	ggtggccggg	gggcagagaa
88141	agaggcggg	gagccaagga	gataggcat	cgtctgaatg	gtgatgtgt	atcaacagat
88201	gtgaaattcc	cagaggtgtg	aaacacagca	gatcctttac	agcacgatga	caggacacag
88261	catgagccta	cctctgccag	gtgagaggag	ctttctgcaa	cctgtgatgg	gctcaaggat
88321	gctgaccatt	catccgccca	ttgggatagc	ccaggctctg	agctcagcac	tccaccctgc
88381	actgcgattg	actaatcct	caccacccct	tgagggcagg	tattactgtg	ggcacagaga
88441	agtttgctaa	cttgccagag	atcctgtgta	ggaagccagg	tcaggaaaca	accagagtct
88501	ctctaacagc	ccaggccttg	aatgaacacc	ggcctgcttc	agaatacatg	gcccggtgatg
88561	tgtttgaatt	cacagattca	ctggacaggt	tccctatagg	gcctgtgagg	aaatctggtc
88621	taacagaatc	cagaaagaca	aatttcgcta	aacagggtcaa	gcctgatact	gctgctacac
88681	ttcagctgtg	ttaaagccact	cggttatcag	acctgtctct	cctttctcat	tttagtaaac
88741	acaggcctct	tccttgggcc	ctgtgtgtct	ccaccatctc	ccaggttctc	ttgtactcag
88801	ggtttagtct	cccctcccca	ctactaatga	tgcatgtgcc	ttactctctg	atcatctctc
88861	ctaaatctgc	tactcctctg	ctctttctgt	gccttatcta	tccctgccga	gtctaacatg
88921	cagatttttg	tcattccaaa	gtcatgtata	gatctaata	cagggtctct	tgcttaccag
88981	ctgctacttg	gataaggaaa	gcatgccaac	acggctctct	ttcttcatgc	tgccaagtc
89041	agcatcatta	ttattaccta	agtttatctc	taacacatct	caatatcttc	atgcactccc

FIGURE 3-Y

89101	tcttgataaa	agtaactgag	catagcacca	tcaataccat	caaactctgtc	attctctttcc
89161	cctctctctg	ggtgggacag	gaagccaggc	tgctctagga	aatcttccct	aacaagcaaa
89221	ggggacttgc	ctgtcctctc	gcatgtgtga	tctgagcttg	tgtggatccc	agagtgggca
89281	ttctggacta	cttgaccttg	cctatctctc	cttcacaccc	tctcatctct	ccctcctacc
89341	accaaaaaac	ttgcatcgta	tttccaatct	ccagacatac	ttttgaaacc	atttatctat
89401	ctggtgtgtt	tatctgtatc	tagtatgatg	tgaatatgtg	atttgatgtg	gtgtctacca
89461	ctgttttgg	cagtttgtat	ttctcgtggg	taagattcta	tgtgctcatg	tatgtggaac
89521	atatgtatac	tgacacatgg	acctagctcc	aaatgatctg	aaaggaatat	aattgtaatt
89581	gaatatttgc	acagatatatac	aacatacaca	tgtgatggct	gggggaaatg	catgtgggat
89641	ttcagtcagc	attttattag	agaaggtatg	tcatttagtgc	tgtattaaca	atgaatcagc
89701	ttatttgtgg	gtcactgtca	atgactcctt	tgcaaatcac	acatgtaaat	atttctgtct
89761	gtggtctgat	gaacatgcag	tgccacagtc	tgggagatgc	tgagccatgc	ctgtgtagg
89821	cagcatatga	aaagaactgc	atgatttaaa	agatgctgac	cagcttaagg	aaagcaattt
89881	aaaaacttcc	taaaaatcta	gtttgaatga	acaacagttt	tcattttgtg	tgtgtgtttt
89941	ttcttttaga	gatggggtct	tgctatgttg	gccacgctgg	tctctaactc	ctgggatcaa
90001	gcaatcctcc	tgcggtctag	ctcccaag	tgatgggatt	acaggtgtgc	gcccagctac
90061	ctgctggccc	cactgtttta	aaccctgatt	cgacaatcat	acatttaact	cattacctgt
90121	cttgctcctt	ttacgacaaa	ctcaaagctt	ttattttact	aaagtatttg	ggttaatcct
90181	ttgcttttct	gtcatgttct	gaaatatgta	caataacaga	atcgctcaaa	atattatctc
90241	cgtaaagt	tttgtggctt	tagggagagg	tctaacaaca	tgcgggaaac	aagaaatcaa
90301	cgcgcatccag	gattcattta	taatctctct	cgttgagtag	aagtccgcat	ctctcgatat
90361	tgtctggtta	cctgcatgaa	gtattctaaa	ggaggaaaat	agctcaaaag	ggacattcat
90421	gtgcaactctg	gcttccagtt	ggccatttga	gtaagtgatc	gcaattaaact	gacgagcggc
90481	agggaaacac	ttcctggaat	tctcatctac	agacaagaac	aaactggggc	ggggcccatc
90541	acctcacct	acgcgcggg	agggtggcgg	ctggcgggcg	gggcccgggc	ccgcccccat
90601	cgccgagagt	gcggggcgcg	cggctgggag	cctcgcgccc	ccgcccgggc	ccgcccccat
90661	cccgcgcgca	tacagcccgc	atcccgcgg	ggaagcgagc	ccagtcacagc	gctgcccgtc
90721	cagtcctcgc	ccaagattta	aagcccgcaa	gtttgttct	tgagaccagt	gacttagct
90781	ccgatgagg	aaggaaagcc	gacctcgat	ttggacattt	aaagagctgg	gcttgaactt
90841	cgtgagtttc	gctctaaact	gcccttgaaa	tgaagctgga	cttgagggtta	aagtcactgg
90901	gaagctggcc	tggggcgggg	tttccccctc	ttctcgtatt	ttagaaaacg	acagcggcag
90961	tgacagcccta	gtttgctgta	agtttctcta	ctttgttact	gaggccccca	gagctccacg
91021	cataagtgg	gtgaccagaa	accttttaac	aagacccgcc	tgagcctgcg	ttagagctcc
91081	cgctcgga	gtaaaagacc	atcctaatac	gcggcgctgc	ggaaccggtg	tcccgtgtgg
91141	gaggaaaccgc	ggcggtccct	gggcgtagg	cccgcgaggc	cagcacagtc	cgctcttgg
91201	cggagcgccc	tgggcccgtg	gttccgcgcg	gagttagtct	gtggtcagtt	tgaggaggtt
91261	aacacggctg	tgccgcggcc	gcactcttcc	gcggccgagg	cctctctggg	tgggagtggt
91321	ggcttccctt	ccggatcgct	aaatggggaa	agttctggcc	gctcggcggg	atacgtctcc
91381	aggccacgga	tggttcggtt	tccgtgccc	ggccccgagc	tgggctccct	gggtctccag
91441	cgcgggctcc	cggcattggg	ggctgcgggc	cggccctccc	gccccgcggc	cgcccccgcc
91501	cgcctcctcg	gcccagcgcc	tcgggtctc	cggcgcgagg	ggctccgagt	ctgcccactc
91561	cgggcccagc	gaggtctctg	gaggagaaga	gtggcgagga	ggtgagggca	cgccggccct
91621	cgcggcgccg	gtggcgccag	gacttcaggt	gggaacgcgc	gcttgggccc	ggggcgcggt
91681	gctggcggtg	acaccggatc	ggggcccggc	gccctggccc	ggaccgcgca	cgccccagcg
91741	ccgggaagtc	gggaagccgg	ggaggcctct	cccaccgcgg	gccccggcag	cccgccctct
91801	gaaagcgcg	cggagaagga	ggctcgtccc	ctccccgga	cgctttgtt	ccctcgggcc
91861	tgcccgcgcg	ggtggccagc	ggctgggacc	caggccgggc	cgccgcccag	gtgcccaggg
91921	taggtcggg	ggccgggag	ctccggttg	ggcggttcc	cggggcttgc	gggtcccgtg
91981	ccctgaggag	ctccggctcc	tcgggtggcg	gacaggcccc	tgcgcgggag	ccgcgaggcg
92041	aacgcgcgcg	ccaccaattc	ggttgccggc	cgggggcccc	aggcttgcgg	ccaccgcctt
92101	ccggctggag	ggctgaattc	gagtcgaaa	cccgtgtcgg	gctggaaaag	agaaaccgcc
92161	aacctgagaa	cgctttcggc	gagttactgg	cgggggaaat	ggggacaggg	aagtgggcag
92221	gcggggagac	tgacagccga	gatctccctg	gcggggaggt	cgtggccaact	ctttcctttg
92281	actctgcctc	atttcatttt	gaatcctgat	gtgacagagg	caattgcttg	cttgataacc
92341	atataggtaa	aagtaacagt	tttcaactcg	actcttgact	acaccctgta	cattcttggc
92401	cgggtgtgg	tttcttaggt	tatggtcat	gttaaaggta	caccgatgtg	gtaaccgcac
92461	agtgccgat	ggtggcctga	ggctcatatt	tatggtaatt	atctgatgaa	agtatatcca
92521	tcagaattgg	atgtgtgcgt	ctgtgccttt	atgttgggaa	accttgctcg	ttccctgtgg
92581	gggatgggag	aggaatgtga	aaagccgaag	ttgacccaga	aaaggatgat	tgaaggtagt
92641	tgtattaagt	ggtggcaccg	aaatgatctc	acctgaact	ttctgaaagg	gtgattagtg
92701	atcagcagca	gacgttataa	ctttctcaaa	ataaatttat	ggtagatttt	ctatctggtc
92761	acaagtgagg	aggtgaaagc	tgcttttttg	ggccaactct	ttgcttttaa	agcaagctaa

FIGURE 3-Z

92821	acgcaataacc	agaaaggttt	ccattctgta	cttaacctgc	ttgtccttct	cactcttcct
92881	tatcctcccg	cacacgctct	gagcattgac	tgagcactct	gaggaggagg	ctgactcagg
92941	ctgacccttc	ccggccctgc	aaggctctaa	ggtagaacca	gtgttatcac	aggaaaggcc
93001	caagccaaag	ctcagagcag	ctgttctctga	gaaagtggga	gatgaggatg	agtaggaggt
93061	agagatgctt	ataactgctc	tgcccagaga	aaactcagaa	gggtgcagaag	agttttcaaa
93121	ataaagtgc	ggcccatca	agtaaaaat	gaaacattgt	atttcattaa	aatgggtgatc
93181	agttttctct	tttcataaaa	gacattcaaa	tggtgagatt	gtaaaaaaa	aaaaaaagaa
93241	aaagaaaact	ttctaattct	caaaaataga	acagcttgaa	taataactca	tgggttttga
93301	aatgggtcat	cttttaaaat	gggtcacttt	ggctagaatc	attgcacttg	gtgactttca
93361	cattgtaaag	ggtccagttc	tttctgaggg	ccaattgcac	tagaatctgc	atttcagaac
93421	acaggaggta	tcaggaagaa	actgggagaa	attcagaggg	aaattgtctc	ttctcagagt
93481	aacaaaatgt	cccctattca	gggggaattt	tatatatgct	gaagtaaata	gatctcagct
93541	ttgaattttt	ataatacatt	atgccctttc	tgaaatattt	ccatagccat	tattttaatg
93601	cattgttaga	ataaccttgt	aaggagagga	attcattgta	tctgtgttcc	agaaactgag
93661	gcacagtaaa	ttacaagagc	tctgcccttt	gatatcgaat	ctctgtgagc	gaagatgtaa
93721	ccagaacagt	gtaaatctag	aattactttc	cttacgggat	gcaatatcta	attattatgt
93781	attagtttac	atatatatag	gggatgttaag	aatctttata	tttaaaggat	aagaaacttg
93841	atcaggtgag	atacaagatt	tgaataaaaa	agcgattttt	tagaaacatt	ttaattctac
93901	aaattcagtt	gctggctttg	atatgtaaact	tattcagatt	tctcttccat	agaaggcttt
93961	aacactagaa	gccagttctc	ta'caaaagag	aatgttctac	caagtgtgta	ggcaacaaag
94021	cccaaaagtt	caagttcaaa	atactgttct	acagcctaag	atccacctaa	tatttcagat
94081	ttgactcttt	tgctcctttc	ctataacttc	ctataacttt	ttcatagtgc	tctaagcaaa
94141	gtaagttcaa	ggatggactc	acctcaagtt	tccttctctt	actttagagg	accatataat
94201	cttataacctg	tgatcactca	attgaaatgt	attttaagtg	cttggtggga	caagaataac
94261	ggaagaccgt	tattccatta	atggaataat	ggggaacatg	agaaggacca	tattcagatc
94321	attagggatg	atacttctgc	ctcaacagta	tttgcgatgt	gttaaatggc	ccttagccat
94381	cagatcagta	tttttaaaaa	ctcctaccta	attaatgttt	tttgagaaga	agcatattat
94441	gagtatagct	cagtattcta	aaaagaaaaa	aacctgaaaa	aaaaatcagc	catccattaa
94501	ctaaccatc	ctggtaaaag	tacacaaaca	gattctagag	aaaggaaatt	tgacacagt
94561	gaacatctaa	tctggactga	cattgtcaac	aagttatctc	aaatgatcct	gagaaaaacac
94621	tggtacatgg	tttagagaca	agtcgagctc	atgtgactag	taaatggaga	ggcacagtat
94681	acatctactt	ttgttggcat	ttaaacactc	tcggcttttt	tactctcttt	caccaccatc
94741	aggtccagat	tccagcttgc	actggtaatat	ttattgacct	tttgatagaa	gagctacacc
94801	tgaaacatct	ctgaagtctt	tttagcatcc	tatcctgccc	atggcctact	acacagtatg
94861	tgataagtta	atgtttgttg	aattagttaa	atatacgtat	taacctactt	tcagggctgc
94921	ccgctgtaat	gcctagaata	gggcaggcac	ttaataaatg	gtagttaact	tagactataa
94981	gttgatccac	caagacagaa	acatgttaca	tatacctctt	gttttacacc	atcttctact
95041	ttttgtacct	ctgtgttata	aacctctat	caagtgttgc	ttctaaagac	aatgtccaga
95101	atgggacgta	ggaactgcca	ctgggcaaca	ggcagacact	gggttatatc	gtcatcctgt
95161	ttctgaatcc	tgggttttct	tattattatt	caaccacagc	taaaactttc	gatctccttt
95221	ttctcgtttt	ttccctttac	cttaacttct	agccaaacta	agtgatttga	catttcccca
95281	ctcaagccac	aactttttct	cttatgtgct	taaaaaaat	tcctgcgtag	tctctcttgg
95341	aatgtcttat	tccttgctcc	ctccacttca	cccttttttt	tttttttttt	tttttttttt
95401	gagacggagt	ctcgctctgt	tgcccagggt	ggagtgcatt	gggtccatct	cggctcaccg
95461	caacctccgc	ctcctgggtt	caagcgattc	tcctgcttca	gcctcccgag	tagctgggat
95521	tacaggcatg	ctccaccaca	cccagcta	ttttgtgttt	ttagtagaga	tggggtttca
95581	ccatgttagc	caggatggtc	ttgatctccc	gacctcctga	tcggcccgcc	tcggcctccc
95641	aaagtgtctg	gattacaggc	atgagccacc	gcaccgggcc	cacttcaccc	tttaagccag
95701	ttgaaatgct	ccttgcccta	ctcctccctt	ctccttttct	ttctcccatc	caagtactaa
95761	ccaggcccaa	ccctgcttag	cttctgagat	cagccaggat	caggtgcatt	cagcggggta
95821	tggctgtaga	cttctctttc	tgagctgtgt	cttctcctt	tcctcccca	accacattt
95881	gaattctgtt	ctagctcctg	ctcatttgcc	acctctccca	caaagccttc	cccagtttcc
95941	atcttctccc	tgttccctc	atctcagagg	aaagctcttc	attcacagag	cacttggttt
96001	gggtgccata	gtttgttgtc	cctcagtatc	cttggggaat	tagtcccgag	acaccacccc
96061	ccgcccctg	atatccatgc	atgctcaagt	cccttatata	aaatggtaca	gcatttatat
96121	tataacctat	gcaatattcc	catgtactct	ttttttttat	ttttatgtgt	ttagagatgg
96181	gtctcactct	gttgctccag	ctagatgtca	gaggcatgta	gccttgagct	cctgagtcac
96241	atgatcctcc	tgctccgcc	tcccaagtag	ttgggattac	aagtatgagc	taccacacct
96301	ggcccatgta	ctttaaatca	tctctagatt	acttataata	actaatgcaa	tataaatgtc
96361	atgtaaacaa	ttgttacacg	gtattgttta	gtgcataatg	acaagaaaaa	aatgtgcagt
96421	ttcagtacag	acacgacct	aaattttttt	ttcaaatgtt	tttgatctgt	agttgggtga
96481	atctgaggat	gcggaaccca	tgaacgtaca	cgaccaactg	catatgggtt	tctaataaca

FIGURE 3-AA

96541	gatttgtgga	tgaagccac	ccaacataat	gcaacatttc	aaatgtatct	tagtcagttt
96601	ttctggggca	aagccagcct	aacaaatctc	aagaatgttt	gaaaaattct	agcttgagtg
96661	aacgttggtc	ttctagtgc	tcaataaag	cagtcattgt	gtctgaggag	tcctagtggg
96721	gtggcagggg	tggggctagg	agtagtggt	gtttgtagca	tgttttatat	cacattaaag
96781	ggctgggtat	gcattttagg	caataattct	tactcttatt	gataggagaa	cttgatittt
96841	ttattcatct	accttatgat	ggataactgg	tttacctctc	ttcatcaggt	ttacttctta
96901	cgtgtcattt	tatgagctga	ctttgaatat	atcttcagat	tttccctgcc	tttacacatg
96961	aaaacggttt	tgatacagct	ttttcattag	agaatggcag	cttttccagg	ccagggtgtc
97021	tgtgtctgac	tcctcgctt	tcattttacc	caataactgc	ttaaaacatc	ctccctgagt
97081	ccggtacttt	tttgctcct	ctccttcctt	ccacccacc	tctttttgtc	accctcctgc
97141	gactttggat	ctccatcctt	ggagtccctg	aatctttttt	gtggttgaaa	gactacaccc
97201	aaaggacaca	gactgatgag	gtcacttctg	cccactgtct	agtactagtg	agaccaagaa
97261	gaagaaggag	ggaaaactga	aattggaagg	ttgaaaaaga	gtgtgttagt	gaagggaagta
97321	agaacagtgc	taacagaatg	cagcaaaaca	gaaatgactt	cacacttctg	gcagtgaagc
97381	aaattctcat	ccatcttggg	ttgcttctct	tgaccctgcc	cacctcctcc	cctgccctcc
97441	cctcccgatg	agaactgcag	gaacacctgt	gcccattgcca	aggaaaaagg	gcagggtagg
97501	aacacagggg	tggggctggg	actcacaagc	tgctctaagc	tgccacaggg	tcctggaattt
97561	gttgacatta	catggttaac	tcggtatctc	gatgcctcag	tatcttctgc	aaaatgtgga
97621	gggagatcct	ttcttctca	aaggttggtg	taaggcttaa	agagctacca	cattcgttaag
97681	gcatttgga	cagggcctgg	tatatagtag	acatacccat	ggtagtaact	gttgtagtac
97741	tgggtaaaa	gagaagtttc	ttaagtaggc	aagaaaaaaa	ctgacaacag	ttatatattaa
97801	aagagcaagc	aaccgtgtca	gcccaaacaa	gtgtgttgca	agaatgagca	cagagggcca
97861	agctcagaaa	agcgagtgtt	tgacctctct	gagacctcct	ttatatgtca	gcttttttat
97921	ttgtttcaaa	ttttgcataa	tcaaactggg	tactgggaat	tattgagttc	atataacttc
97981	cctaaaatct	aagaataatc	tataattcca	tgccaccagt	cccgtaata	aagacttagg
98041	gtctgtcttt	acccatttgt	tcatttgaaa	ttccccgtct	ttacttcccc	cataaccagg
98101	aaacagatct	acacccatgt	ttactttata	aagagatata	agttagttta	cataggtgga
98161	gatcttgtac	ctggattcac	attgtagggt	ttattaccca	gctttcccct	ctatcccaaa
98221	gccatgattg	ccatagtggg	atttaaagtc	tttgactaa	cactgaatca	agaactaact
98281	ctacaaatgt	attctctgca	ggaggataag	aattccaaat	ggcttcta	tggtgcccat
98341	ggcttgaaat	aaagtccat	atagctaaag	ccccagcaca	aaaacacttg	aagacagcca
98401	ttaggtagaa	tttcttttct	tttttagagg	tcttatattg	gaaatgtaac	agttgcaag
98461	atatctaagt	tttcacctta	aaatgtgagt	tataaattca	catttcacat	tgctccttc
98521	ctccttgagc	aaacagacta	ggcaattagt	accaaatagt	aactagttaa	atttcttaac
98581	accgattatt	gtaagtaatt	tattaagaaa	aaatctagga	agatcaaatt	atagcttttc
98641	cagtaaatct	ggggcttttt	attcctgata	tctctcaaca	aggcagtttg	gcttctgaag
98701	attggtccta	gctatactta	acaggaaaaca	gatgacgaga	agaagccagg	aaaaaatact
98761	tggaaatag	aacaaaatgc	agcataaaga	tggtacagaa	gattttatct	ttctttcctt
98821	tagttatgtg	tggacaggaa	ctaaaaactc	tcccacgtgg	gactttatta	agtaataaaa
98881	gtttaaatgt	aaaagatata	aaggaaatgag	gatataaagg	aaattttttt	aaaaactgtg
98941	actcacggga	ggagccttat	atagtctact	ttctaagcat	atcactttta	aagggatcat
99001	tatatatttca	tgatgcatgg	ggatattcca	agtattaaat	tgatttttta	aatgaagaaa
99061	attatcagtt	cagtcttggt	ttctatgtag	gtttcactac	agtattttat	ttcccccgca
99121	aggaaaaaac	cagagctaga	atggaatgat	taaatttctt	agttttcttc	taactctgta
99181	gtctttccat	taaattatac	tgctttctta	tatagaattt	ctgggtttgt	tcttgttttg
99241	gcaataattg	aagtaagaga	ggatgatttt	atggtagagg	tttgattcca	ttctagattg
99301	gtgtttttca	gctatgtaga	acacaatcca	ttcatggttc	agacaaccgt	tttaggaggt
99361	tttcatgtcc	agcattaaaa	aaaaaaaaaa	aagaatagaa	ttgggcattc	atatatatat
99421	atatatatga	atatttatta	ataaaagtgt	aaaagatata	aagggaatgag	gaatgcata
99481	atattatata	tatatatacc	aaattaaagt	atcataatac	taatacaagg	attagtatcg
99541	ttttatgata	ctttattata	tacactaagg	gttagtcttg	ttttatgata	ctttattata
99601	tacactaagg	gttagtcttg	ttttatgata	ctttattata	tacactaagg	gttagtcttg
99661	ttttatgata	ctttagggtg	gtatcacatac	atatactaag	aatgcagaca	tgctccatgga
99721	agttggcaat	attcagcccc	cagcaggccc	cagtcagcag	gacagggatt	aggggagtc
99781	ggtgaggcag	ggctgtataa	gtgcagggtt	ggagcctgtc	ttggtttacc	gttttgacat
99841	tttgttcact	gtggattttt	ttcagtaact	ttgatttttt	aaaaatattg	catcaaaa
99901	ttatactgac	tacggagtgt	ttggtacccc	cttaaattgt	gcacctaaaa	taagtggctc
99961	ccttgtctcc	ccctagtccc	ggcccgatca	gtatgtttta	tagagggaat	ggtgagtgtt
100021	ggggaactag	ggagcccatg	aggaggcggc	ccagaagggg	aggaggagct	gatggtgtgt
100081	ctgatgtctc	ctcctttctc	taggaagcag	acaggaggtg	aagctcttcag	ggtggggggg
100141	acagagcctg	ggagggggag	atttagcatg	gccgctgaag	agactgggaa	aggggagggg
100201	ttcgggacaa	gttcaggaa	agtcacgtag	cactgaaaac	tgctcaaagc	tagatagtcg

FIGURE 3-BB

100261	catttgtggt	gacgctgcct	gectggtaag	tcccatttcc	ccagcagccc	tggagggtgtc
100321	ataggaacag	gaagatggga	gggcgctggg	gtctgggggtt	gttgggggtgg	gaggggcaaag
100381	gtgtccaatg	attctgcatc	tgaaacgggg	gagggtgtgtg	aggaagaaag	gtcaggagac
100441	tgctgggcag	ggtgggggtg	cagaaggttc	tcgatgaata	tttagaagtt	gcagctgagg
100501	agtgaagtga	ctatagagt	agtatcctgg	aatttgaggt	ctcagaagaa	atgcagttct
100561	cagtgaagcc	atgtaaacia	cttctgggt	gataaggtgt	cttgagtggt	gggagatcac
100621	atgatcaaaa	tggatatacac	accataaggt	gtccttagac	ttgagtggtg	tgtaagtcta
100681	ctgaataaaa	tgcagaata	cagttcactg	ttgcttttct	tcctggaaat	tgccctcccc
100741	aacctcaaac	cagcccccaa	gtggggcagg	gtccatcttt	agaccctcct	gtagcaccca
100801	gcacaaccct	aactatatgg	tcaatgtctc	tcttccccac	ttagagctcc	aagaccaggg
100861	ccttggttgt	cctgcttacc	cactctaccc	atttgttaac	cccatcttaa	ttttctgatg
100921	aatgagccct	tttttcttgg	atcctcctt	tctctccttc	tcaggagttt	attttctctc
100981	caggcccat	gctgtctctc	cacctagaga	gcttatccac	attcatgaaa	ttagtcatct
101041	tcagtctcag	agtaccacc	tggatctctc	cagtcctgtc	taactcgtct	tagattatta
101101	ccccctggac	atctgtacct	tcttgtctct	ccatcgcttc	gaactcaatg	cgagtctaaa
101161	atcaataact	ccttcactcc	taactcagga	aaccagtttt	ccctcccttg	ttggtcttaa
101221	ttgaaattag	ctcttacttc	tcttcttctc	cctttactcg	ccatcccagg	tcattcatca
101281	ggctctgcta	ggtctttgat	tttcttgaaa	gggccttctt	tatgccttcc	ttccgtcccc
101341	atttccacca	ccctcgacta	ggccttcttc	acctcatccg	gcacagtggt	gagcccttga
101401	gaaaccagcg	tcctgatctt	caggcattct	gcatttcacc	ccataccacc	attagcagg
101461	ttaatccctc	ttgtctaaac	ttataaata	ctgagcaagg	gagttactat	aacaaacaaa
101521	accagaaatt	tctatgactt	cctgtcgtct	tctgtacccc	cctaagactc	ctctacctga
101581	ttttcaaggt	tctccataag	caggttccca	cctctctgct	ttcaaatctt	ctatctgcca
101641	tacacagttc	ttgtctaaaa	caaagattgt	tctactcct	gcagccacct	aatccagg
101701	cgtcctcagg	ccctcctaaa	atcctgacta	atccaacccc	caccgatttc	tctactagtc
101761	ccagagactt	ccctccttgg	cctgggggtg	gtgtcatgca	gacacactgt	accttaccag
101821	gatttgccca	ttgttgtctg	tgggaactat	gctttcatgt	gggaactacg	agtcttgtca
101881	caaatagagt	gtaaatgctt	tgagatttga	gactgtaaaa	tacttcttca	tgatctccca
101941	ctgtgtctgg	tataagaacc	cgcagagtaa	atactcatat	acttgtagga	ttaatgaaa
102001	caactggaga	ctgagggtgt	ttacttgta	cttagaagtg	tggacctccc	catcttgatt
102061	aaaacttcaa	aacggatagc	aggtttcaca	tattatctca	gcacacaaa	agtagactca
102121	acaaagaaat	gagttgacag	cagggttaag	gtttacaaca	atcagggagt	attgaggga
102181	aacttgtagc	ctttgggtgt	tctaactagt	tttttcccaa	aaagtttaaa	gagctctctt
102241	gtgaagaat	attcttatga	gtaactgagg	ggcacggctc	ctagactgaa	aagtatttgg
102301	gatctgtcac	ctcttttctg	atgttcctac	ttctattctt	tattcttctg	actacctcta
102361	ttagaaaaga	taatactaag	aatacctgtc	ccttcttctc	agtcacaaa	gaagcaaac
102421	caggttgtat	ctgagatate	tgcataat	cttctaagca	attctttgtc	ctcttctctc
102481	ccatgctttt	tctatttctc	atcttcagca	ggctctgaag	tcattataaa	tttttactgc
102541	ccctcgggtg	cattacatgg	atattcatcc	ctgatttgca	gattaaagca	ccgaatcaga
102601	gtgaggtag	ggttgcccaa	ggttacacaa	taaatctggc	cccaaacagg	gtaacctgt
102661	gagtttctag	tctgttgatt	ggccactgac	ccgtgctgca	ggcacacaaa	ggaagctgca
102721	cccacagcag	tctgttgggt	atggttgctg	agctgcgcat	tcggcattgg	gcttgccttg
102781	tttcttgcca	ggcccagcat	tttcttctac	cagatcgcca	ggcttggtgg	cttcttctca
102841	ggtccctccc	ctgcactctg	aataggaaaag	ctggaagctg	tgctttagag	aagctttaag
102901	acgccgaaag	aaaccagaag	agtgcgcgc	agttgtatgt	gcgtggtctc	catccgcaaa
102961	gccggagctg	ggcgcaacag	tgttgacttg	taattgatca	atttagatcg	ggcgagggcc
103021	gggggagggc	agtgcctttg	atttaggctg	ggaaaggcct	cctagtgcac	atgttcaatt
103081	tggagggaatt	cagatgttct	ttgtttatac	aagtgaagct	gtgtaataca	aatgaggagt
103141	tttacttttc	ctaaatcttc	cccttatcat	tcaagtattg	aggagtttta	cctttcctaa
103201	atcttcccct	tatcattcca	gtattatcag	tgagatctgg	ttgtgattta	tgtaaatggt
103261	ggctaaaaaa	ttcaacttac	tgagggggag	aattctcatt	ttacagcttc	acatgctgtg
103321	ctgaactaaa	taagttagct	gggatgttgg	ctttgtgaca	ggtcttttgt	catttttcag
103381	aaagcatttt	gacttgttga	tgtaatttgg	gaacagctga	aaaaatacag	gaaaataaga
103441	taaatacgtg	catgttgagg	gtggggacaa	aatgaaggtt	ctgaaccagc	tgccggctta
103501	cagtagccat	ataagcaaca	gcagcaatgc	accaacctgg	tgagtaatag	gcctgattca
103561	ctggagagat	actgacacct	ttaatgagtc	agatagatgc	acaatgggtg	tgggagcagt
103621	tggactttgt	ggcacaaaag	ctagcaagaa	gctcagactt	gcaaacaact	gtaggacgtg
103681	caaagcaagc	tggcatttga	gcttgcgggg	cacagctgct	caggaatagg	cagctgggtt
103741	tccctttgat	ccctgagatt	ccaaagggtta	ctttcctctt	tggtcccttc	ccagggtcaa
103801	ttagagtaga	aactgcagat	gctttcagtc	tgagaatttt	cctagaattc	tcaaaaatgt
103861	gtatgctggc	ttaaaatctg	ccatcaagaa	ttctgttacc	ttgctttaag	cctccagttc
103921	cttccagatg	tatggtggag	gaggccagag	ggcccttgg	ttggggcttc	agaggatggt

FIGURE 3-CC

103981	tgttatctgg	atgagcactg	tggaaagact	gagagagcaa	ctgagagaaa	gtggggccct
104041	gaatgaaagt	gatttcgcaa	attttaggca	gatgccacca	tcagaaactg	atattttctg
104101	acgtctttct	càccttcctc	tagagcattc	agtccagaaa	tgaccagcct	gtccaaaggg
104161	ggaaattact	gatattgatc	tgttcccttag	agcagtgttt	cagtcttttt	tttttttttg
104221	agatggaatc	tcattctgtc	acccaggctg	gagtgcagtg	gcacgatctc	ggctcattgc
104281	aacctccacc	ttcctgattc	aagtgattct	cctgcctcag	cctcccaaga	agctggaatt
104341	acagggtgtg	accaccacac	ccggctaatt	tttgaatttt	ttatagagat	ggggtttcac
104401	catgttgcca	ggctggtctc	aaactcctga	cctcaagtga	tcctcctgcc	tcggcctccc
104461	aaagcgctag	gattacaggc	gtgagccacc	atggccggcc	ttcagccttt	gtgatattaa
104521	agcacagcaa	cacattttccc	attacacccc	tgaacacaca	cacacagaaa	acccaaaagt
104581	ttcacaaaat	gattccttgct	cttactactc	tcagtacact	ctgtatttaa	aaaaaaaaat
104641	gctggttgtg	gcttcctaag	tggtgcgttg	agttttcaaa	tcaatgccct	tggcgataaa
104701	gtgtgcccta	tactgattat	ctctggacaa	agtctgaatg	gggcttggct	ctaactctta
104761	gtcctcattg	gacattttac	atacctggcc	tttgctcca	ccctgatgtg	gagtgatcat
104821	gggggtggga	aatatagctg	gatccgaaag	ctctgaagtg	gggatggagg	tgtcacagct
104881	gaggctaggc	ccattctgca	gggcactcag	tgtgtacagt	tggttttcta	tcagggttca
104941	accggcgggg	ggacttgaga	acagatctct	gggcacaaag	cagggccttt	gccctggggc
105001	ttgctatgtg	gctcagccta	cacggctctc	tccccgtcag	tcctgtccaa	agcccaggaa
105061	actaatgtac	cacccccgag	gaagagagcc	tacctttcca	tccaaggaag	tgttttacct
105121	gtggtaaagca	cgggggacag	aattcctgag	gaaggagggt	gctgcgtccc	agtgtggag
105181	gaaaagagag	gacctgggtg	aagcagccat	ggcatggacc	tcatccgagg	tggcacctgg
105241	ctagggtcct	gacctccaat	ccttcccag	taaccatcac	tttgagttaa	cagtggctcc
105301	acccccggca	tggttctttg	caccaacatt	tggggaatgc	ctaccagggg	tcacacactg
105361	agctggatgc	tgagtgtagg	gtgtccacaa	catcgtgcct	aaaaagtctc	tgtaggggt
105421	ataaagaagg	gctggggcaa	tacagatgag	atgagaagca	tctttcaggg	aatgggttga
105481	tcccaattca	ggcttcccag	agaaggatgt	ctgtagactt	catattagca	agggagggaag
105541	gtagccaggc	cacaggactg	ctggtgtaaa	gaccagggca	tatgaaatgg	caagtgtgac
105601	tgtgctttca	gccaataaatt	tggtattgtc	aaatgatggg	accaaacagc	ggagaggcca
105661	ggtcctaaag	ggctcctgtg	gccaggctgg	acttcatctt	gtcactaact	aatggagagg
105721	ctctgaagga	gttaaaagag	ctcagtttgt	ctcgtgggtta	aatccaagtt	ttacaaaggt
105781	cacgctgact	gtaaaagtga	aggtgggctg	gccaggggat	catctagtct	gggtgagaag
105841	tgatgataac	atgaaggggt	gaagagagat	ttagaagaag	tgattcacag	gattaaacat
105901	ttaaataatg	gaagtggaga	aaatgggggg	ggcggttcca	gatttcaggg	atagatgaaa
105961	gaagtgcagt	taggcacatg	taaagagaaa	caggaaacagc	aggttttagg	ggagaagata
106021	acagaatggg	tgagaaatga	cacttgagta	ccctagtgtg	ctaggtaatc	atctgtctac
106081	ttcccttcat	ttgtcatgta	tattcccatg	taatttgcct	aaagacttcg	gttaaaccgg
106141	tcttacccca	atttgtcaaa	tttctgcgca	tgatatggta	caagaaaccg	taagtggcta
106201	aggcggcatt	ggtgttcaaa	ttgcctgact	acaaaggcag	tgcttgttgg	ctacattctg
106261	ttgcttccca	gtttagaaca	gtttacattg	aggcgctgc	tgcatttcca	aataaaaaag
106321	tacagaaaga	aggtggctgt	ataaattctg	ggctcacaaa	gtaattttga	ttaactgagag
106381	tttgctttca	aggagcaaac	tgtgactcct	tgattatgaa	ccttaattta	aaaaaaaaga
106441	aaaaagaagt	cttactctta	ttcctgcctt	gtctggggca	agccttaatg	gatttttact
106501	gctgtgaatt	ttcttttcat	tgaagatttt	gccttgatct	atgtatctgc	tttcatcctg
106561	accatattca	agtcagtata	ttcatgaatg	tacctgtttg	tgaaatttga	acttaagtat
106621	acacgattat	agccgttttg	gaagcttttt	tttttttttt	tttaagagta	ggagtagaaa
106681	aaggtctctg	tactctgaat	gggaagacag	tgtaaagcaa	ttttttccct	tttctgtcc
106741	tcctttaaaa	aaaataaaca	gccgtatgcc	tctgctaagt	actaactacc	tcacacctt
106801	ttgtgcagac	agggcagggt	acatttgggt	ttaagggaatt	aggaatatgt	ttctttccag
106861	caccttagta	acccacgcga	ttgtgattct	tttctcttct	tgactgtgat	aggtggcatg
106921	gaatattcac	atgggagagc	cgcgatgggc	cgccaccac	gcttcctgaa	ggatgcccg
106981	gtggaagaat	tttgacgtgc	cagtgtcctc	gttctacagg	gtgttcatt	cttccgcaat
107041	ctcagaaaaa	tgggactaaa	agaaactatt	ttgtaaaata	agaagacttc	catttttaat
107101	gaccaacatg	tattaagatg	gacacctact	ctacgaaaca	cgaagtctta	tggctctgaa
107161	gaagcccggtg	cctgtttaaa	actgatccta	actaaaaaca	gacttgagtg	gatatgagaa
107221	tgttgggttag	tggcagaaga	gtcaaaaaat	ggcagttaat	tattcagtta	tttgctactt
107281	gttttttagc	gagcctcatg	tttttttggg	aaccaatcga	taatcacatt	gtgagccata
107341	tgaagtcata	ttcttacaga	tacctcataa	atagctatga	ctttgtgaat	gataccctgt
107401	ctcttaagca	cacctcagcg	gggcctcgct	accaataact	gattaaccac	aaggaaaagt
107461	gtcaagctca	agacgtcctc	cttttactgt	ttgtaaaaac	tgctcctgaa	aactatgatc
107521	gacgttcggg	aattagaagg	acgtggggga	atgaaaatta	tggtcgggtc	cagctgaatg
107581	ccaacatcaa	aactctgttt	gccttaggaa	ctcctaattc	actggaggga	gaagaactac
107641	aaagaaaact	ggcttgggaa	gatcaaaagg	acaatgatat	aattcagcaa	gactttgttg

FIGURE 3-DD

107701	attcttttcta	caatctttact	ctgaaattac	ttatgcagtt	cagttgggca	aatacctatt
107761	gtccacatgc	caaattttctt	atgactgctg	atgatgacat	atttattcac	atgccaaatc
107821	tgattgagta	ccttcaaagt	ttagaacaaa	ttgggtgtca	agacttttgg	attgggtcgtg
107881	ttcatcgtgg	tgccctctcc	attagagata	aaagcagcaa	atactacgtg	tcctatgaaa
107941	tgtaccagtg	gccagcttac	cctgactaca	cagccggagc	tgccatgta	atctccggtg
108001	atgtagctgc	caaagtctat	gaggcatcac	agacactaaa	ttcaagtctt	tacatagacg
108061	atgtgttcat	gggcctctgt	gccaaataaa	tagggatagt	accgcaggac	catgtgtttt
108121	ttcttgga	gggtaaaact	ccttatcatc	cctgcatcta	tgaaaaaatg	atgacatctc
108181	atggacactt	agaagatctc	caggaccttt	ggaagaatgc	tacagatcct	aaagtaaaaa
108241	ccatttccaa	agggtttttt	ggtcaaatat	actgcagatt	aatgaagata	attctccttt
108301	gtaaaattag	ctatgtggac	acataccctt	gtagggctgc	gtttatctaa	tagtacttga
108361	atgttgtatg	ttttcactgt	cactgagtca	aacctggatg	aaaaaaacct	ttaaatgttc
108421	gtctataccc	taagtaaaat	gaggacgaaa	gacaaatatt	ttgaaagcct	agtccatcag
108481	aatgtttctt	tgattctaga	agctgtttaa	tatcacttat	ctacttcatt	gcctaagttc
108541	atttcaaaga	atgtgtattt	agaaaagggt	tatattatta	gtgaaaacaa	aactaaaggg
108601	aagtccaagt	tctcatgtaa	tgccacatat	atacttgagg	tgtagagatg	ttattaagaa
108661	gttttgatgt	tagaataatt	gcttttgga	aataccaaat	gaacgtacag	tacaacattt
108721	caaggaaatg	aatatatgt	tagaccaggt	aagcaagttt	atttttgtta	aagagcactt
108781	ggtggaggta	gtaggggcag	ggaaagggtca	gcataggaga	gaaagttcat	gaatctggta
108841	aaacagtctc	ttgttcttaa	gaggagatgt	agaaaaatgt	gtacaatgtt	attataaaga
108901	gacaaatcac	gtcttaccac	atccatgtag	ctactggtgt	tagagtcatt	aaaatacctt
108961	tttttgcac	ttttttcaaa	gtttaatgtg	aactttttaga	aaagtgatta	atgttgccct
109021	aatactttat	atgtttttta	tggatttttt	tttaagtatt	agaaaatgac	acataaacacg
109081	ggcagctggg	tgctcatagg	gtccttctct	agggagaaac	cattgttaat	tcaaataaag
109141	tgtttttaat	gacgttttca	actgtttttt	aaatattcaa	tattggtctg	tgtttaagtt
109201	tgttatttga	atgtaattta	catagaggaa	tataataatg	gagagacttc	aatgggaaag
109261	acagaacatt	acaagcctaa	tgtctccata	attttataaa	atgaaatctt	agtgtctaaa
109321	tccttgtact	gattactaaa	attaaccac	tcctcccaa	caaggtctta	taaacacacg
109381	cactttgttc	caagttcaga	gttttaaat	gagagcatta	aacatcaaag	ttataatatc
109441	taaaacaatt	tatttttcat	caataactgt	cagagggtgat	ctttattttc	taaatatttc
109501	aaacttgaaa	acagagtaaa	aaagtgatag	aaaagttgcc	agtttggggg	taaagcattt
109561	ttaaagctgc	atgttccttg	taatcaaaga	gatgtgtctg	agatctaata	gagtgaattt
109621	cttttatttt	acaaagcagg	ataaaaatgt	ggctataata	cacactacct	cccttacta
109681	cagaaagaac	taggtggtgt	ctactgctag	ggagattata	tgaaggccaa	aataatgact
109741	tcagcaagag	tgactgaact	cactctaagg	cctttgactg	cagaggcacc	tgttagggaa
109801	aatcagatgt	ctcatataat	aaggtgatgt	cggaaacacg	caaaaacaa	cgaaaaaaga
109861	ttcttcagta	tacacaactg	aatgatgata	cttacaattt	ttagcaggta	gctttttaat
109921	gtttacagaa	attttaattt	ttttctattt	tgaatttga	ggcttgttta	cattgcttag
109981	ataattttaga	atttttaact	aatgtcaaaa	ctacagtgtc	aaacattcta	ggttgtagtt
110041	actttcagag	tagatacagg	gttttagatc	attacagttt	aagttttctg	accaattaaa
110101	aaaaacataga	gaacaaaagc	atatttgacc	aagcaacaag	cttataatta	atttttatta
110161	gttgattgat	taatgatgta	ttgccttttg	cccatatata	ccctgtgtat	ctatacttgg
110221	aagtgtttta	ggttgccatt	ggttgaaaac	ataagtgctc	ctggccatca	aagtgatctt
110281	gtttacagca	gtgcttttgt	gaaacaatta	tttatttgct	gaaagagctc	ttctgaactg
110341	tgtcctttta	atttttgctt	agaatagaat	ggaacaagtt	taaatttcaa	ggaaatatga
110401	aggcacttcc	tttttttcta	agaagggaagt	tgctagatga	ttccttcac	acacttactt
110461	aaagtactga	gaagagtatc	tgtaaataaa	aggggtccaa	ccttttaaaa	aagaaggaaa
110521	aaactttttg	gtgctccagt	gtagggctat	cttttttaaa	aatgtcaaca	aagggaaaat
110581	aaactatcag	cttggatggg	cacttgaata	gaagatgggt	atacacagtg	ttattgttaa
110641	aattttttta	ccttttggtt	ggtttgcac	ttttttccat	attgttaatt	ttataccaaa
110701	atgttaaata	tttgtattac	ttgaattttg	ctcttgtag	gcaaaataat	tagtgagttt
110761	aaaaaaaatc	tatagtttcc	aataaacaac	tgaaaaatta	tcattgagatg	tgtattttaa
110821	ctttttcatg	aacattgctt	atataatcat	tccttctgtc	ttaatgtact	acatgggtctt
110881	agccctgttc	ctataggatt	atcatgttct	ctgcattata	gagccacctt	agatgtactt
110941	tttgttaaat	gactcatgct	ggaatatctg	gatggggaga	tgttctttcc	taatgtagtc
111001	atgtgccaca	aaatgacgtt	tcggttatac	atggatcaca	tatatgatga	tagtcccatg
111061	aaattgtaat	ggaactgcc	tatcagggtg	taccattttt	tatcttttat	ttcagatttt
111121	tactgtacct	tttgtatatt	tagatgtgtt	tagatacaca	aatactttcc	attgtcttac
111181	aatgtccctgc	agtattcagt	acagcaacat	gctgtacagg	tttctagccc	aggagcaata
111241	ggctctacac	tatatctagg	tgtctagttag	gctattccat	ctaggttctc	gtatgtataa
111301	cctgggatgt	ttgcacatcg	attgtgtcac	ctaaagatgc	atttattggc	caggcgccat
111361	ggctcacgcc	tgtaatccca	gcactttggg	aggccgaggc	aagtggacca	cctgaggtta

FIGURE 3-EE

111421	ggagtttgag	accagcctgg	ccaacatggt	gaaaccccat	ctctactaaa	aatacaaaaa
111481	tcagccaggt	gtggtggcac	acaccagtaa	tcccaactac	tcgggaggct	gaggcaggag
111541	aattgcttga	acctgggaaa	gggaggttgc	aatgacctga	gattgtgccca	ctgctctcca
111601	acctggacga	cagagcgaga	ctgtctcaaa	aaaaaaaaaa	atgcatttct	cagaacttat
111661	cctcattgtt	aagcaatgca	tgactataat	ctgttgagag	agggatgaaa	tcacctgtag
111721	ttatagcgct	ttaagatacc	at ttgaaaag	gttacgtttt	ccttttcttt	gacacggtta
111781	gctgtctgaa	atacagtcaa	ttttaaccct	aatctcttaa	tatcaggaat	gcccttacac
111841	ctactttgga	gtgtctggtg	cttcagtata	gttgcagtga	atgtgctctc	atctgttttt
111901	acctgattcc	tgctcagttc	ttcacatggc	atattgtgta	actcaatcta	tatttaaaac
111961	ttgtaagcat	ccgaattatt	tgtttatggt	agaacttttt	acttgcaagt	cgtggtagga
112021	gtgtttgtag	ttgggtactaa	aatgtgatga	cttggaagaa	ttaattaatg	acctatat tt
112081	ggggacttta	attggatgct	atagctgcaa	tgagaataga	accagagaaa	ctctgtattg
112141	caaggttatt	cattctgtga	taataatgag	aggaatattc	gatgtctctt	tgagtcagtt
112201	ttccttccga	tcacttccgc	attctgcagt	gacacaatcc	ttaatcatag	ctttcattac
112261	aatattcctt	tactccagac	ctcaaagact	cctcactgcc	tccagcatca	aatctaaact
112321	ctattacctg	gttttcaacg	ccctcagttaa	acttttcttc	cttcattccc	tattgttttg
112381	tttttttttt	tttatcactg	ccactattat	ctatcacaaa	tgtcaatcat	gaccatacct
112441	tgcttaagtt	ggtttccctt	gccaagagca	ctgtttttcc	tatactgttt	gaaatttttg
112501	aaatccaatt	ctacctcctc	tcttccctta	agcatctctt	ccttcccttc	tcccaaaatt
112561	tatat tttagt	cacatatatt	atcgtactac	ctactaatca	ttccatgtgt	ttttttacga
112621	gctgtgaagt	ctgaaggcaa	ccatgccttg	tacagtgtcc	acttaggggt	ctgaataatt
112681	aatcatctcc	ccaaaatctg	aaagccttct	atataccaag	caaat ttggt	tagttatgca
112741	gcaaaactca	aatctataaaa	atcaaaaagg	aataaggaaa	tacagattaa	acagttgcag
112801	caaagactgg	tgatcttaag	gtatttagtc	aaagctggtg	gtagaacaaa	aacagtagtc
112861	ttacagattc	tacctcttga	ttaaactcagt	ggctaatttt	gccttttctc	aaagt tcttt
112921	tgcaagaaca	taaagatatt	tttgtttcct	tagttgagtg	ctgtaacttt	attcctttgt
112981	gtttctcata	agtatgattt	ggcagtctgc	catacgtttt	ttgttttttt	tcttctcttt
113041	tgagacaggg	ttttgctctg	tcaccagggc	tgcaagtgcag	ctgtgtgatac	acagcttagc
113101	tcactgcaga	cttagcttcc	tgggtctcaag	caatcttctc	acctcagttc	cctgagtaac
113161	tgagactaca	ggtgcacccc	accacatccc	gctaaatggt	ttaat ttctt	gtggagatgg
113221	tgtcttcact	atgttgctca	ggctgggtctt	caactcctgg	gctcgagcaa	tcctcctacc
113281	tcagcctccc	aaagtgttgg	aaagtgttgg	gattacagac	ctgagccacc	acactggcc
113341	tgttataagt	taatacaata	attcatcaac	taacttaag	aacactaaga	ctcttacaaa
113401	agtaggtagt	agtttttagta	aaagtctcaa	aagataaaact	gtcacttaag	gaaaactaga
113461	gaacatatca	ttgccaaatg	gtgtttttca	gagattatac	cattcaacgc	ccacatgctg
113521	aattgggcca	tcattataaa	ctccagggaac	atggcaatca	gtaagagccc	ctgttttctt
113581	ttgaatacac	cgtaagtga	agaatataaa	gtagtctagt	taatattatg	tttaatcaag
113641	gagcacattc	ctaaagatgt	ttgttcattc	attctacaga	catttttcag	aggcctgcta
113701	agagtcaagc	attatgatag	acgccatgga	taaaagctta	caagtcaacc	agcgtgggta
113761	taataaatgt	gactagcact	agaacaggta	tcatgatggg	gattctgagc	ataaatattt
113821	ttttaaaata	aat tttcccg	tgttat tttt	ggcttttacc	tccctaattt	aggctttcta
113881	aatggcacag	catttctgag	gatgcaaaca	cctttctaca	gagcaaaaac	agcattttgt
113941	taaat ttgtg	tctttgggga	accaagagac	tttaaatgtg	tttaaaccaa	taattcagtc
114001	aatatcaaca	ttagcttaca	tgtaatat ttc	tcttgatagc	ccaatttttt	aaaacactgt
114061	attcttagaa	gtttggtttc	taagatgtca	ctttaagctc	ttttgcttgt	tgcttttgtg
114121	ggatccacaa	at tttgttct	caggtacata	aatgaagggt	agtatagagg	ataaatatta
114181	tgattcttat	ctgggaaaga	caggtgctga	ggtgtaaaag	agaggatcct	cgccaccat
114241	gccccgcacc	ccctcgcccc	ctgcaccac	ggatgtgcag	tcttacctgc	ggggggaaaag
114301	gtctccgagc	ctggcctgct	gctccagctc	agggttcccc	ctttcatgat	ggctttcaaa
114361	gatttcttca	ctctgaagtg	aaagaaattt	tggtaagatt	tgatattgta	gggacctcct
114421	aatctatat	tttctctctc	ccaatttctg	tgtttgattt	tggttttgag	tctctcgata
114481	agcaaaatat	ccagtttctc	atgccgcttt	ctcaggtttt	ccccagccac	tctggatcca
114541	ttatggtttg	cccttttttg	cttctcttag	gcacactaaa	aactccttcc	caaaagcagg
114601	tatcgcccg	gcgtgggtgg	aggcgctgt	aatcccagct	actctggagg	ctgaggcagg
114661	agaattgtct	gaacctggga	ggcgagggtt	gcagtgaagc	aagatcacac	cattgcactc
114721	cagctcagc	aacagagcga	gatgccatat	ccaaaaaaa	aaaaaaaagc	agggtgtcct
114781	tcccttaaat	catgaagggc	tattcatact	ttactgcccc	acccctattg	attcataaga
114841	ggacagtaaa	gcatcactg	cattcaacat	ctcctttttt	ttttcttgt	aagaaatcaa
114901	ggtctgga	agttgcactc	gccctgagac	cagaaagtgc	tggaggcaga	gatgaagtta
114961	gccagtgta	ggctttcaca	gatgcgtgat	aacaagtcta	actaaagaag	tacctgggat
115021	actagttttg	ccaattcagc	tctaaaacaa	tatggcaatc	ttatattcca	aatatatata
115081	tatatatttg	tatttatagt	agagatgggg	tttcaccatg	ttggctaggc	tggctctgaa

FIGURE 3-FF

115141	ctcctgacct	caaatgatcc	actgacctca	gcctcctaaa	gtggaggaaa	catatatata
115201	tgttttcctt	ttaaaatagg	atgtcagtc	aataagaatc	taaatttttag	ttccctctaa
115261	tatatatatc	tgactaggga	ccagataata	tttttcatgt	gtcaatatat	aaaagttggc
115321	caggtgcagt	ggctcatgcc	tgtaatccca	gcacttttag	aggctgaggt	cagtgatca
115381	tttgaggtca	ggagttcaag	accagcctag	ccaacatggt	gaaaccccat	ctctactaaa
115441	aatacaaaaa	ttagccgggc	atggtggcag	gcacctgtaa	tccagctatt	tgggaggctg
115501	aggcaggaga	atcacttgag	cctgggaggc	agaggttgcg	gtgagctgag	attgcaccac
115561	tgactccag	tctgggcgac	acagtgcag	cctgtctcaa	aagaaaaaat	atatatatat
115621	atatattttt	tattatattg	tttattaaac	aaataaaaaat	aaaagatatc	tcatcagtta
115681	cgatgtaaat	gaaaaaattg	tgtgtgtgtg	tgtgtgtgtg	tggtatgatg	tacttcttgt
115741	gagttgtggt	caggctttga	aagccactat	gtatgtgtgt	gtgtgtgtac	ataaaagtaa
115801	gtcactgcc	caggattcaa	attcgaacca	gtccagtc	aattcaaat	aatatatttc
115861	accacactac	caaaagtctt	tcttcacatt	ttctatataa	agttgaacta	attaatacag
115921	cagtgaatgt	tacattgtat	ccttttgca	ttctctcatc	atgacattac	tatgcctgaa
115981	ttccccactg	gactttgaac	tcagtcttac	tcacttttgg	atccccagcg	tgtaatacag
116041	gcccttcata	aagagtgcac	attattacta	acaaaatttc	ctctcactgt	gaaacctgct
116101	cccaattata	aaatgaattg	tgctctttcg	aactccgttg	atctattgta	tgcaggggtg
116161	atcatagagt	cttattttcat	aataacctag	tgatggaaaa	ataacaatga	ttcaggagta
116221	ggtaatggac	cttgtcatct	tttactactga	atgatgagat	ttccctaatt	tatagatttt
116281	gtcatgcagt	agatgccctc	aggagcttgc	agaaatgcct	tggcagcttg	ctctgtgac
116341	atgtgtcaga	tggctgggtg	ggaggtagag	ggagtctcct	ctgccaagca	agtctaattg
116401	aataaacac	tgggtgccatt	gaggatgcaa	tgagaaggac	ccacagcaga	tccagagact
116461	gcattcataa	aagctgcaca	gtataccatg	ttttattaa	gtatagacag	attagttgtg
116521	ttctagcata	gtggttttca	aagcctgacc	acaactcaca	agaagtacat	aaacacacac
116581	cacacacaca	tacacacaca	cattttttca	tttacctcgt	aactgatgag	atatctttta
116641	tttttatttg	cttaattttt	tatttctttt	ttttttgaga	cgaaagggtga	attgtagcca
116701	aagtactttt	aggaaatttt	aaaattacac	attttgaaag	ctctaggagg	aagagagcat
116761	attcaagtaa	aaccttttct	ttattcaaat	agtagactaa	aaaaattgacc	ataagattaac
116821	tcagcaattg	ctgccatatt	tcttagtgag	ggattccctta	tgagctccat	tgaatgataa
116881	aaggatactc	ttccaaatca	gagcaacaat	cgtttcttgt	gacactgcat	cctttttccc
116941	ttccttcacc	ctgaattgcc	cctagggtat	acctaggaga	gggagggtcg	gcaaccagct
117001	ctgtgtgtga	aagggatgtg	attcatggcc	tgccctattg	ggaggccaac	caggcggaac
117061	agccctctc	cccttatggt	cattttatcc	tgaagaaaaa	gggtggcaaa	aagatggcaa
117121	aaaagattgc	tgatcacaga	tcactgttac	aaatacaaca	attggctggg	catggtggct
117181	cacgcctgta	atcccagcac	ttcgggaggc	cgaggcgagt	ggatcacgag	gtcaagagtt
117241	caagcagc	ctgaccaaca	tggtgaaaac	cgtctctac	taaaaataca	gaaattagcc
117301	gggcatagtg	gcgcagtgtc	gtagtccag	ctactcagga	ggctgaggca	ggaaagtcac
117361	ttgaaccg	aggtggaggt	tgagtgaacc	aagattgtgc	cactgcctc	cagcctgggc
117421	gacagagcaa	gattccgtct	ccaaaaaaa	aaaaggagg	ggtggcaatg	agacaggga
117481	ctgctctggg	tccaactccc	ctcacatagc	cccaaccccc	atatccacc	cacaaacctc
117541	cacctcccca	cttcagcct	ctccagtttc	aaagtgcgc	ttaccaacac	gcaggctctc
117601	caggagcacc	ttgaaaggta	acttcttaca	tctttccaaa	acacttataa	tctaattggt
117661	ctttctcccc	tatattttga	agaaatgcat	gctctcaaaa	ttgaaaaaaa	cgcttagagg
117721	aattttgtaa	aaaaattata	ttttccag	ttctccaaag	gacatataaa	ccctttttaa
117781	acttagattt	tgaaaagtcc	caatagctga	ttttcaatcg	attattgaaa	ttgttttttt
117841	tttcttcct	aaaggggaga	taccaacctt	tgaacaaaat	taaattaaact	ttccccaaa
117901	gttaaatgat	tttactttgt	gatttttagga	atgtgtagaa	agtgatttca	gttccaactc
117961	ttttaagca	aggtatctg	ggccaggcgt	ggtggctccc	tcctgtaatc	ctagcgcttt
118021	gggaggccaa	ggtggggcag	atcacctgtg	gtcaggagtt	cgagatcagc	ctggccaaca
118081	tagagaaacc	ccatctctac	taaaaacaca	aaattagctg	ggtatagtgg	tgcgcgctg
118141	tactcccagc	tactcgggag	gctgaggcag	gagaatcgct	tgaacccggg	agacggaggt
118201	tgcaatgagc	tgagatcacg	ccactgcact	ccagcctggg	caacagagtg	agtctctgtc
118261	aaaaaaaaaa	aaaaaaacaa	acaagcaaac	aaacaaacaa	aaacaagggt	atctggtaat
118321	ttaaagtgaa	agtattattc	actattataa	tcaattttct	taaaaacagg	agctatttag
118381	cccaattctg	aggagagaaa	aaaaagcaga	tttcaagggc	ccgtgccacc	ttctttgttt
118441	aaagcataga	gaatgataat	aaaatgttaa	aggttcagca	ttttctggca	ttgtataatt
118501	aatttaattaa	ttatgtaaat	taattatgga	aatgagaaat	aaagtgaaaa	ggtatgtcaa
118561	gtaagaatca	ataattatca	aaacgttctc	taccaaattg	gatgcagggg	agaaggggtg
118621	gaagaaggga	aggaaataaa	ggcaaaggca	tttgcccaca	gcctcagtc	agggtgttct
118681	acatgacgca	gcccagag	aaaaataact	agccacagga	atgagtggtc	ctgtcttctc
118741	ctccagaact	gacgggcaaa	agagggggaa	cctcaccttt	tttttttttt	tttttttgga
118801	aactcactgg	gttttgatat	ggagaacagg	aagagaatct	accctagcag	cacattcaca

FIGURE 3-GG

118861	gatggtttgt	ctgccctatt	tgtcccatct	ccctggctct	tcctagcact	tcttttcccta
118921	ctttccattt	tcattggccg	caaaagccac	ttaaatattc	ctttggaaaa	ctgggcagtc
118981	tgtccccttt	ttaaaaccac	aactatttcc	aggagagtta	aagggttttc	ggactgcccc
119041	tcattcatgc	attgtggtga	actagctcag	actgcctcta	ccttttagtcc	agatcagctg
119101	ccttggggagg	gcgattcctg	gaggaaagga	tgaggagagg	aagggttttag	gacatcgat
119161	ggactgaagc	cccgttggag	gggaagggca	ggcttgagga	acaagcctca	gtgttccctga
119221	ggctttgtgg	aaatgagaaa	tgaatagaga	aagataagag	actggatcct	aaatgcaatt
119281	ttgcctattt	caaaaattttc	acagggtcct	tttttttttt	tttttttgag	acaaggctct
119341	gctcctgcac	ccaggctgaa	gggcagtggg	gtgatcatag	cttcctgaag	cttcagcct
119401	cgaactcctg	agctcaagcg	atcatcctgc	ttcagcctcc	caaagcgctg	ggattacagg
119461	catgagccac	cacccccagc	ctcagggtct	ttttaatccc	taagatctta	aatttcccag
119521	ctactattgt	tagtaatgag	ttcaatttac	ttactgggta	aattggcctt	tattattatt
119581	attattttatt	ttatttttatt	ttatttttatt	tgagacagag	tcttgtgctg	tcgccaggc
119641	tgtgttacag	tggtgcaatc	tcagctcact	gcaagctctg	cctccctggg	tcatgccatt
119701	ctcctgcctc	agcctcccga	gtagctggga	ctacaggcac	ccgccaccac	gccagctaa
119761	ttttttgtat	tttttagtaga	gacggggttt	caccatgtta	gccaggatgg	tctcgatctc
119821	ctgacctcat	cgtctggact	aataacttaa	acgctattgg	caatagtttg	ttacaggaa
119881	aaacatcttc	ttataaagct	gactgcaaat	gttttaataa	atttgcaaat	atgtaattct
119941	gtttaaaata	tcaggaagtg	agaaacatgt	tatgtgataa	ctctttccca	ttcccgaaac
120001	aagaaaatgt	aaaggcagta	agtgtgccaa	ggacactgaa	aggaagctgc	ccgtacatct
120061	ttgaatcttc	tcaggctggt	tggtttctac	tgattttaag	ctccatggat	aaatttcatt
120121	gtaacaattt	ttatgtctgt	aaatcttaac	ccataaataa	aatcacaaat	cagaaaagta
120181	ctttatttagg	ccagtctttg	tccaagcaaa	tttgggtccca	aagctagtgt	acaaataatt
120241	gccacacagc	tacaaggcca	gtgggttgac	tatcgtagca	tcaatgggtg	gggcagggtc
120301	gcagcctctg	gggcagcatt	agccccact	gacagagggt	atagggtgct	ttacaactct
120361	atgagacccc	ccacaacctg	gactcagctg	tcataagcct	ttacttctta	tgttcttctc
120421	aagtacttta	tcggggccaac	aaattcatcc	catgaggaat	ccaagatgga	aacgtcaaaa
120481	ctatcttttg	tatcatgctt	cctcccccta	ccttctctgc	cttgatcccc	tccttcattc
120541	tacacatttt	ctctgatagt	cgtgttctag	ccactaggga	gaacgtttca	gtcaatgggt
120601	atgattttctg	ctcacctctt	tttgccatag	ctattagtaa	gctctcacca	ctgatgtctc
120661	agctgactgt	gacaactgcc	agcggctggg	cagcctgcct	gccttcatct	aacctgctct
120721	ttactgtcta	ccagagtcag	cttcgtaata	cacagggtgcc	ctcctcctcc	tgtcaacatt
120781	cttcaaccaa	agcctcagta	catctacctt	catctacctt	cccagcattc	ttgagccatt
120841	cccaggatag	cctaggccct	ttagacctct	gagatgttat	acccttctct	attctggaat
120901	gcccttcagt	gtcttaccba	cctttcagag	ttctatttat	tctttttttt	tttttagatg
120961	gagtcctcact	ctgtcaccca	ggctggagag	cagtggcacc	atcttggtct	actgcaccct
121021	ctgctcccca	ggttcgaagt	gattctctgc	ctcagcctcc	tgagttagctg	ggattacagg
121081	tgcccggccac	catgcccagc	taatttttgg	atttttagta	gagacgaggt	ttcaccatgt
121141	tggtcagctc	ggtcttgaac	tctgaaactc	aggtgatcca	cccacctcag	cctcccaaa
121201	tgctgggatt	acagggtgtga	gccaccacga	ccagccttat	ttattcttta	gagttgaatt
121261	caaatgccac	ctcctttgaa	agccatctct	gatgtccttg	tgaggaatta	cttctctac
121321	cacattatat	attcctttta	ctgtagaaac	gtcattctgc	tttatattat	aaattattag
121381	aaatatgttg	tttcccccat	gaaagtttca	agtttctcga	gtttaggcct	gatgatacaa
121441	tcattttcat	atgactcaca	gcaattgcct	tagtatatat	taaattgagc	tgaataagcc
121501	atgtacccag	ttgaacacac	caaatatttt	agtgatgtca	tttctttatt	ggtgaaagag
121561	caaggccaac	gttgatctta	atgttattct	ctcttttctc	ttattcagct	ccctcaacaa
121621	aaatacatte	tcatagatta	atgtaatcac	cacctcactc	ctctcaactt	tagaccctat
121681	actagcctga	gaaatccaga	tccaacttaa	tgagtctctc	tttatcccaa	gtcctcatga
121741	cctataaatg	taacctctag	gacaatgtta	caaagagtga	gatctttata	ccacctgcac
121801	tcttgtcacc	aaacgtgtta	gttaaaaatt	cagattctga	gtgtgggtgac	tcacgcctgt
121861	aatcccagca	ctttggggagg	ctgagccagg	tggtgcacct	gaggtcagga	gttcgagacc
121921	agcctgggca	acatgggtgaa	accctgtctc	tactagaaat	acaaaaatta	gccaggcatg
121981	gtgcaggca	cctgtaatcc	cagctactct	agaggctaag	gcaggagaaat	cacttgaacc
122041	tgaggaggcg	aagttgcagt	gagctgagat	cactccatgg	cactccagct	tgggcaacaa
122101	agtgaactc	tgtctccaaa	aaaaaaaaaa	aatttagatt	ccaggaccog	accctacacc
122161	tccctaatta	gaatctcaga	gagtggggcc	ctgggaatct	gcataattca	taaccttctc
122221	agagctctgg	tacacaagaa	acctgagaa	tctttgttct	ggaaacttca	gagaacttgg
122281	ctgagggccca	ccccaggatt	tggtggcgctc	cctgaatctc	ccattagctc	tgacactgac
122341	tagacttcaa	atatcacaga	aggcaagcat	tgaagtgtgt	ttatattcaa	atagttttct
122401	tgttgagaat	cagaaatatt	aataaaactt	ttgggagtca	aagtaatgag	aagacaagga
122461	actgaacttg	ccccctgatc	gtttatcatt	tggcagtaag	gtacatatct	aacaatagga
122521	taattctgta	taagacctga	atctgacctt	ctttcatctt	tcacactgac	aattctgtct

FIGURE 3-HH

122581	ctaaacacag	gattaaatga	ggaactaaaa	ttcaccaaga	tccctgctagg	tgctcaggtac
122641	agtgcctagct	gcttccacac	atcttctcatt	taatcagcca	cctgtgaaat	tgctatgatt
122701	tatcaccatt	tggcagaaaa	ggacattttag	ggcacaagag	attaaaaaag	ctgctgggtg
122761	ggtacattaa	gtattaataa	ataatcagat	agataagtta	ggtagttaag	taagctgcc
122821	gattagtaaa	cagctagttt	caaattcccag	ctccaacatt	tactagtgtg	atgacccttg
122881	gggaaactca	acctctgagt	ctcatggcac	tgctgataaa	acggaaaaca	tcatcctcac
122941	aaggttctga	ggactagggg	tggactcagg	tacacacagc	acccagtaca	atgtctggcc
123001	ttcagccagt	gatagcaacc	cttactcac	ctctccattc	ccttccagcc	cctgcattca
123061	aaaactttta	tttattttatt	tttttaattt	aggaggctct	ttgctcagaa	tcctgaaaag
123121	gcttttggtta	ctttattttt	tctttttttt	catcttctgg	gagcacagaa	taggcttctg
123181	ctccttttaa	taactttaac	aggcaccaaa	ggaacactgc	tagctctttc	ttaatctgt
123241	aggtccacat	ttaggaaaaa	gaaattgtca	gcctctgact	tatttccagc	ttacaaaaag
123301	gctgtgatgt	tggcagcccg	gggaaagcag	ttcccgtgag	tcatgctttc	acctttcagc
123361	cagtgaagaa	caggaaatag	tcacatcact	attgccaaca	agcacagcga	atcgcttcca
123421	ccaccgggct	ttcccagatg	acgtcagtga	gccaaagtga	gggcatcacc	cttgccagat
123481	ggccccggaa	gagtctcagc	tgccctgtca	agtttagctt	ctcaagctcc	ccagaaccag
123541	atcggcaagg	atcacccttc	cagaaaaagga	aatgatttct	ctgatcatga	tcaaaccatg
123601	tcataatttt	agctgtaggt	ggtgagtatc	agtgactgta	ttatagatgg	ttttggttca
123661	cagctatttt	ttttctcggt	atatttactc	tcaaggggca	aggggtggga	tttatcacia
123721	tgctatgatt	cactctacta	gactggctgg	gtttcatttc	atctttgagt	tctagacct
123781	aggccaaaag	gatgtcagaa	tcgccaccca	gagctagatg	catgctcaat	gcaacctggc
123841	catctctctc	ggacagtggc	cactaaacac	aagctgcaat	gattattggt	gatgttagtc
123901	aattgatttg	tccccctttt	aataatccat	gatccacaca	gacatgaatc	taaacctttt
123961	ttttgaacct	atctttttct	tactagtttt	cttacctatt	ttggaataac	aatttccctg
124021	gttataatac	acaatgtgtg	aaacactaat	tgcatttatt	ggctcctaaat	tcattcccaa
124081	gtctaggatt	tggggattta	gtgcacaaat	ccactttctt	cctgctcatg	ttgttcatga
124141	ctttatggat	tctgtttaca	tttctctcca	aagccttggt	ctttctaagc	agaaatctga
124201	ccagcctctg	ttcctaactc	gcttctctca	ccaccttgac	tgtaaataac	cactgttggt
124261	ggagaagctt	ttcattaaat	acgcaacaaa	atcaacaata	aggaagaaaa	caactgaagc
124321	acagaaggat	gattgtaaca	tggacttggt	cttgtttaac	agtaccata	ctggttggtg
124381	agttgcctaa	atacagaggg	agatggcaac	ttaacaggat	gggtttggag	tctgaattaa
124441	ataaacaaca	tggcaaaaag	aggaagaaac	caaaagttgg	gtgactaggg	cttcttggtg
124501	tctactcaac	actttccaca	cctacaggcc	tctgattcta	tccccaccgc	tgctcctaca
124561	ctgtctatgt	ttctctttta	caacaacaac	aaaaaaatag	cacttgttta	ctgttcacaa
124621	ttattgaaat	aaatcactct	aatttggtat	cctttatatg	agaacttcca	tatgcttaaa
124681	actcccgtag	cattttttata	gtgtacaggt	cataaacatg	ttgtctgaa	atgggcaaa
124741	taggctgtag	agataggaag	tgagttcaca	tcacggcggt	agtcaaggca	gcagcatatg
124801	agctcagggg	ccaaatctga	gctgtgatca	tgtgacacag	tcctcacctt	cagagatgac
124861	attctcccag	aagtccaggg	tgcagaaatg	gataggctga	tgttcacttt	tgaagaggac
124921	cacaatgaaa	cccttttaat	attactcaat	gattccacag	acctcctggg	gtttaaatga
124981	ggtgaatcta	tttttaaaaa	ttgtctattta	cttttttagg	tggctgatca	ggacagtatg
125041	aaatttcata	cagtttccta	acttgagaaa	acatgggtgat	gcaattcctc	caaccaggag
125101	ggatttatgg	acagcgggtg	ctacgtccta	atctgcccag	aatacaggat	gactaaacaa
125161	attggcaaac	ggacgcagct	ttctctctct	ctaagaaaag	tctgctgaga	acctcggttc
125221	ccactctggt	tctgcctcca	agaagaaaag	cctaaaactc	actttcttcc	ggactctttc
125281	aaggtcagtg	gagttcctct	ggggttcata	ttcagatact	ttggggattg	atgatggatc
125341	ataaatgttg	ctgaagttca	tttgagccca	tggcctctgg	tttcagaacc	attcagccag
125401	tcaaattatt	aaatttttagt	gaggcagggg	aaagggaacc	ccttcggggg	ctgctataca
125461	gcaacttata	ttcacaaatt	acaattaaat	acacttcagt	ttctaaatat	atgttacttt
125521	aaaattatac	agtgccttagc	aattttcaaa	ttttcatttt	gtgctcaaaa	tattttcagg
125581	aggtagctgt	tggtataccc	atgtgtacaa	gcaagaaact	gaggtttcaa	gaggttatgt
125641	tgcttaaacc	cagatctgcc	tgattccaaa	ccttatgctt	tttttaaa	tctattttga
125701	aataattata	ttaagtcaca	tgaggttgca	aagaaatgga	aagtctcatg	tcccttttct
125761	ccaaacctca	tccaatgtta	acatctaaga	aattgacact	ggcacaatcc	acagagccta
125821	ttcaggggtc	accagttatt	cacgcacttg	tgtgtgtgca	tgtgtgtgtg	cagctctgtg
125881	caattttgtc	atgctctttt	tttttttttt	ttttgagaca	tagtttctgt	ctgttgccca
125941	ggctggagta	cagtggcaca	gtctctgtct	actgtaacct	ccaacttcca	gtttcaagca
126001	atcttctctg	ctcagcctcc	tgagttagctg	ggattacagg	catctgccac	cacgcccata
126061	taatttttgt	attttttagta	gagacaaggt	ttcaccatgc	tagccagact	ggtctcaaac
126121	tccctgacctc	gtgatcttcc	cacctcggcc	tcccaaagtg	ctgggattac	aggcgtgaac
126181	caccgcgcc	ggcctgtcat	gctcttttta	tacatgaacc	atacactgtt	ctgccaattt
126241	taaatatgaa	ggcagattac	agaaataaat	aaaatgattt	ttcttttact	acaacagtat

FIGURE 3-II

126301	ctaccaataa	tcacatacat	gaccaaaatag	ctttcacttc	tagctgccgt	taagaagaaa
126361	gaaaaggatg	aaaagaaaaa	aaatcctata	aaccccagtt	cttgaaagca	ttagtctgtg
126421	ctatgtgcct	taggtacaga	ttaaggaaac	acaatttggt	gatttattga	taattgtgac
126481	agcaatcttc	cctcttgcca	ggaagttcta	taagtaaaat	aaaggtaatt	ttaccttgac
126541	ttcaRattta	gtctcatcat	cttcccttcc	ccgggagttc	aactctgtct	ccgtataagg
126601	ttcctcagac	gttctcagag	gacgagctag	agggactaag	agaacctgcc	attagtgtgg
126661	ttattttaact	tataaactat	aactcagtcg	actttgtctg	atttggacaa	atagctggac
126721	cacgtcaatg	tggctaacta	taaaagctca	cttgagctgc	tgcgttgatt	tctagggtct
126781	ggatgaaatt	ggaggtgaag	gagagacaca	gaggagaaat	agaatccttg	actccaggga
126841	cttgacattt	cagcagaaga	gaaaaaagtc	acacccagca	ccatatgaaa	cattaaacta
126901	caacaaatct	gtacatatag	caatgtggta	aagaatagta	gattttctgt	cattcccatt
126961	tttaaggccc	agctaaaagg	tcaactttgg	ctgggttggg	tggctcacac	ctgtaatccc
127021	agcactttgg	gaggctgagg	cgggcagatc	acctgaggtc	aggagttcga	gaccagcccg
127081	gccaacatgg	tgaatcccg	tctctattaa	aaatacaaaa	attatccggg	aacagtggca
127141	agtgcctgta	atcctagtta	ctcgggaggc	tgaggcagga	gaatcacttg	aacctgggag
127201	gcggagggtg	cggtgagctg	agattgcgcc	actgcactcc	agcctggggg	acagagctag
127261	actccatctc	aaacaaacaa	acagacaaac	aaacaaaaag	gccactttcc	tcatgaagtc
127321	ttccatatta	caaactttat	ggattctttt	atgcactgct	gcttggcat	gcatcatgtg
127381	tacagcataa	tgttgcaact	gatgtgttcc	ttggattcaa	agactaaatt	ctaggtacta
127441	cattgtattg	aatatatttt	ccattataaa	ggtaattaat	ttttgcttat	tacagaaatt
127501	ctgaaaaaca	ctaaactctt	aacgctgaag	gacaaactct	tagtatattt	ccttacagtc
127561	ttctttcaaa	tgctctccct	ctttttacac	acatacatgt	acacacacaa	tcatactatg
127621	attgtattgt	aagaggatgg	ccatgcctgc	tgctcttgct	cttttctctt	ggccactcta
127681	tctcccttct	ccccacctgg	gaaatatcct	ttcttcaagc	tccatggcca	tttggtagta
127741	aaattgggac	ttgagaggag	aggcctcaa	ggcttccctaa	cccaccttac	cagctttgcc
127801	aagcattgtg	ggtgatggcc	acaaggctaa	tagataagag	gtactttgaa	ttcttatttg
127861	tcacagtcac	cacccttgca	tatgctggtc	ccttgggaaa	ctcacaggag	acatgattaa
127921	tcccaggcag	gatttgagca	tttcttctct	tttttctttt	tttttttgag	acagagctct
127981	gctctgtcgc	caggctggag	tgcaagtgtg	tgatctcagc	tactgcaac	ctccgcctcc
128041	caggttcaag	cgattcttct	gcctcagcct	cccaagttag	tgggactaca	ggcgcgacc
128101	accatacgca	gctaattttt	gtatttttag	tagcgacgga	gttttaccac	gttggaacag
128161	atggtcttac	tctcttgacc	tcatgatctg	cctgcctcgg	cctcccaagc	tgctggaggt
128221	acaggcgtga	gccactgtgc	ccaggccaatt	ttagcatttg	taggtcccaa	gacaaaaatg
128281	ccattcattg	aatgccacca	atataccacc	ctgattctta	gctatggtag	acttgatgga
128341	ggttgaccat	ctgatctcca	gaggccccct	ccaacccttc	cattctgtga	gccaactgga
128401	agcagcttgg	gctttctatg	ggtttttcat	agatgttatg	ttgaaaaatg	cagaaaaatg
128461	cactgctacc	ccagggtata	catattacca	ttaatgctgc	tttgaataaa	cagacaatcc
128521	tttgggctcc	tccctctctg	tgggactctt	ataaagttag	tgattccagg	cacaataact
128581	agatgctaga	aatgcatgca	ctataatttg	tgacaccaatg	actgagaagc	gcctgtcctt
128641	gacactgtaa	gtagagtga	gcagtgaaga	gcggggccac	agaagccaca	ctgccagtgt
128701	tcaaaccttg	ctcttccatg	cacgagacaa	acatgattac	agtcaacctt	gtaccttacc
128761	tttttcatct	gtaaagttag	gaaaaatgag	aaatcctaca	gtaaaagggt	gtgataaggc
128821	tttaatgagt	tcattttgtg	agaatgtaga	tcatatacaa	tgcataaac	atttttagcta
128881	ttattgccac	atggcactaa	aaagtttttt	cacgttcctt	atgaacttca	gagggtttag
128941	aagttgtagc	caaggcatcc	agctaacaag	agtcagagct	gaaattccag	ctcttaagcc
129001	cctccacaca	tcttctttat	actgtgaaat	acaattgctt	atcttggcac	agactcagtt
129061	actaaggaat	cagacaaaaa	tgtttgaaaa	tccttttagt	gacttgctgg	agtccacact
129121	cagtagatac	ttacaaaaaa	caaaagtgcg	ggattgttct	gcaaaacgag	ctagtgtttt
129181	gacttaggtc	aatgacaacc	tggtcagact	tgacaaagac	ctattttatt	tggaaggag
129241	tggtatctat	tatgaaatct	tgattttgaa	aagctgagaa	acaaccctgt	aattcctgct
129301	ttattttact	gaaacaaaca	tatgtacctg	gaaacaaacg	atgaggccaa	gtcatagatg
129361	tgaacatagt	ttagcttgag	gacagacgaa	aggtcaagag	aaccaagttc	tgtttccaat
129421	catctaagaa	ggatgtctct	gtgtatgttt	gggtatgtct	gtggtatgtg	tgtgcaagtg
129481	tgtgagagtg	tatgtgtgtg	gatgtgtgtg	tgtgtgtttg	cagataaaaa	ttcaggaaaag
129541	aaatacacta	aatgttatca	aggcttactt	ctaaaaagta	ggatacatgg	tggaagacaa
129601	gggatcgtaa	attgtactaa	atggagaatt	accacaaacac	cccacaattt	tcatataaac
129661	aaaaactgaa	agaatttatt	gctaacaggc	caggcatggg	ggctcacaac	tgtaattcca
129721	gctcttaggg	aggcagaggc	aggaggatag	cttgagccca	ggagtccgaa	acctgcctgg
129781	acaatatagc	aagaccccg	tctccacaaa	aaggaaaaaa	taagacaaag	aaaagaattt
129841	gttgctagta	gactcccaa	caataaatac	taacagaagc	tctttattcc	gaagagaatt
129901	gacacaagat	agtaattcaa	atctataata	aggaatgaag	aacccacagaa	atggtgaata
129961	agggggtatg	tacacacaca	cacacacaca	cacacacaca	cacatgcaca	cacacacgta

FIGURE 3-JJ

130021	tgtattttctc	ttaatttgat	acatgactat	ttaaagcaaa	aattataata	ccatagtggg
130081	ggattaacat	atatagatgt	gatattttatg	ataagaatag	cacagaggat	ggatggggag
130141	catatggaag	tatgacattg	tagtatgtag	tatgatttcc	tatattttgc	atagaatggg
130201	atgaaactaa	ttcaatàgat	catgacaagt	taaggatgca	tatggtaatc	cccagtctgg
130261	tgaaaaacag	tacaaaagaga	tatgataaca	agccaataga	ggaattaaaa	caaaatatta
130321	aaaaatattt	actaacccaa	aggaaggcag	gaaaggagga	aaagagggaat	aaaaagcaca
130381	tgagacatgt	aggataacaa	aacagggaact	ctaaatccaa	ctatatcaat	aatgatgatg
130441	gatgtaaaca	taaaaatcta	atcactccaa	ttacaaggca	gaggtcacag	tgtataaaaa
130501	ggcaagaccc	aactatatgc	tgccataaac	aaatatactt	taaatacaaa	gacagaagaa
130561	tagaaaacaa	aaaaaatatg	ttctgcaaac	actaagcatg	agaaaaactgg	aatggctgtg
130621	acaatatcgc	acaagataga	ctttaagagt	atttctagag	gtaaggaggg	aaggagagac
130681	attttcataat	tataaaaagag	ctaataatctc	tgaaagacat	aaaaaccatg	aatatgtatg
130741	tgcttaatga	cgagaggtcca	caatacacga	cacaaacaaa	tgacatgtac	atcctgcccc
130801	agggcagttt	attccaagga	tgtacagttg	ttttaacatt	tgaaaacaaa	tcattgtaat
130861	ttaccatatt	aacaaataaa	gaagaaaaac	catatcattc	tctcaataca	tggaccaaat
130921	aagcatttga	aaactcaata	atcatttcacg	ataaaaaactc	tcctaaaaaa	tagaaataga
130981	agagaattcc	ctcaatctga	taaaagacat	ctgtggaaaa	cctatagctt	acatcatact
131041	taaagatgaa	acttgaactc	ttttcctaata	attgggaaaa	cacacagatg	tctgctctca
131101	ccatttctat	ttgacattgt	agtggagggtc	ccagtcatta	taatatgaca	agaaaaaaaag
131161	tataaagatt	gaaacagaaa	aaagtaaaag	catccctatt	cacagatgat	aggattatat
131221	ttctatatag	aatctatctc	ctattcttaa	ttatatatgg	taaattccat	tcatttatagg
131281	gttaaaaaaa	tgttaaatgc	ctaaggcctt	tacactcaaa	acgactgcat	tgttgagaga
131341	aattaaagat	gacctaaaaa	acataagtta	taacatattc	aggaattgga	aaagtcaata
131401	ttggtaagat	aatagttctc	tccaaattag	ctcatatatc	cagtgtaatc	cctatcataa
131461	tcccagcaga	aattgaaaag	tgattctaaa	atttatggaa	caatgaaaag	gacctaaaaat
131521	agccaaaaca	accttgaaaa	agaacaacgt	tggaacatcg	catgacttga	tcttaaaggc
131581	tgactaataa	gctatggtaa	tcaggaccat	gtgggattgg	cataagaact	tacctatttt
131641	ttaaattcttt	gctcaaaagaa	ccaattttac	tactccattg	ctaataaaac	atgggccttt
131701	ttaaaggtcct	gaatggggct	tattttatgc	tgttattatt	atgttattat	tatgatgcat
131761	ttgttgttgt	tggttgttgt	gttgagacag	agttttgtct	ttgtcgccca	ggctggaggg
131821	caatggcgca	atctctgtct	actgcaacct	ctgcctcccg	ggttcaagca	attctcctgc
131881	ctcagcctcc	tgagtagctg	ggattacagg	cgcccgcac	catgcccagg	ctaattttatt
131941	tatatatata	tatgtatata	tatgtatgtg	tggtgtgtgt	tggttatata	tatgtatata
132001	tacatatatg	tgtatgtgtg	tggtgtgtgt	tatatatata	tatatatatt	tttttttttt
132061	tgagacggag	tctcgctctg	tcaccaggga	tggaagtgcag	tggcgccatc	tccgctaact
132121	gcaagctctg	cctcccaggt	tcacgcccatt	ctcctgcctc	agcctcccga	gtagctggga
132181	ccaccagggtc	ccaccaccac	ccctgggttaa	ttttttgtat	tttttagtata	gatggggttt
132241	caccgtgtta	gccaggatgg	tctcgatctc	ctgacctcgt	gatctgcccg	cctcaggctc
132301	ccaaagtgtc	gggattacag	gcgtgagcca	ccgcgcccag	cctaattttt	ctatttttag
132361	tagagatggg	tttcaacatg	ttggccaggc	tggtctcgaa	ttcctgacct	cagataatcc
132421	accgccacg	gcctcccacg	gtgctgggat	tacaggcggtg	agctaccgca	cccgcccttt
132481	atgatgcatt	tttattatct	cttcagtaga	ttgtgtgttt	ctccttgcac	ccaggcactt
132541	ggtgttatct	aagtgtttat	gtcttccatg	tctgcactat	gctatatctg	tagtttgttt
132601	taaatagtat	ctgttaaaaa	agcgaccatt	atccattgta	gacaaccagt	cacagtcctc
132661	atggtgctga	tgaaacacaa	aagccacaaa	gcttcttttc	ctcaaataac	ctacccgagg
132721	tggagggtcg	gctggttttt	gatgacacc	attttggtga	agactcagga	tgtggggcca
132781	cagggtgcac	tggacgagtc	tgtttggtcg	ccagtttcat	cagactcact	tgccctctgt
132841	gaaatatttc	ctggacatca	tccagcctct	gcaaaacttt	ctgggctttg	gcctacagta
132901	acaaaagcaa	atcatgatga	acaggtctct	ctgtatacag	cctgaggaca	cgaagcattc
132961	cctttctccc	accttcccct	actcccccca	tcctacctc	cctcagggtga	ccccctctgg
133021	gcatacactat	gcaagtgcgt	gcagggtcctg	ccatgctcca	gaattgggta	tctaaggatt
133081	agcctctcct	acttgagacc	cttgaggaca	atgactacat	cctttcacta	tggcgtctcc
133141	agtgcctgga	acaccctggc	acaggagttt	gagaccagcc	tggtaacat	ggtgaaatca
133201	catctctact	aaaaatacaa	aaattagccg	ggtgtgtgtg	ctggcacctg	tcatcccagc
133261	tacttgagaa	gctgaggcag	gagaatcgct	tgaacccagg	aggcagaggt	tgcactgagc
133321	cgagatcatg	ccactgcact	ccagcctggg	cgacagagcg	actccatctc	agaaataaac
133381	aaacaaacaa	acaattagaa	tacaatgtgg	cttgtgtcat	gttagacaga	gcaaagaatt
133441	ttggcctgag	tccatggatg	gacttcaggg	cattccccag	aattacacaa	acagttagac
133501	aggctggata	taatctgttt	gttcctccac	tgcattctct	cttcctttct	ttgtgcccag
133561	gaagctgatt	aaaagaagct	cctaaccag	aggtgcagac	aaggtgatga	tgtggctctc
133621	gaaggaaggt	gtgctaccta	caaccctgct	ggcttcatgg	aagaatatgc	ttctcaaatg
133681	caaatccaat	caagttatct	ccctgcttaa	atccaaactc	gctcatgtgg	ccccaaaagc

FIGURE 3-KK

133741	ctaccttggc	tgcctctctc	taacctcacc	caaaacacac	ttccattgct	ctctaggttc
133801	cagcaccctg	accttttggg	ctgcactgtg	ccaggctccc	tccagccctg	aagccttttc
133861	acatgctgtt	cctcctgtct	ggaaaggctc	tcccattctg	tctattcggt	ctccaggctc
133921	aagtgactct	tccctgagagc	cttctctgac	cccagtcacg	gtcaagttcc	tctgtcacat
133981	gcctgaccct	gcatccctcc	ttgacagcac	ttatatcagc	ttgtaacaca	tttttgtgtg
134041	attattttgt	taatgtcagc	ctctcccaca	aactgtaagc	tcagtgaggg	atggaagcat
134101	gcctattttt	aatcatcatg	gtatcctcag	cactcagcac	agcacatggt	acatcaggaa
134161	tgctcataag	cattaataga	gaaatgactg	atttgagtca	gacgaagact	cagtatgcc
134221	ggacgttcag	gccgagagtc	taagaggccg	ccggagggtc	tcggaaccag	tgagcccact
134281	caattcagcc	tgctcagtac	cctgtgtgta	ctttatcagg	aagaagggtac	agtccctccc
134341	tcccctatcc	gtttcccaac	cacaggatca	aaataaccgc	gaagcattac	ctttgcatcg
134401	agggtgagca	gcaactcaaa	ctcgttgtaa	aactccttgg	ggctgagcaa	cgggtactcc
134461	ttgactgtgc	ccagggaatg	cgcaatgtcg	ttcaaggcga	tatcaacccc	ttctcgagac
134521	tggcacttgt	ctacagcttg	ggaagccaag	aggtagattc	ctgcctcaca	ccattggctg
134581	accttttggg	aagaaacagt	gcctgtgtga	cttcgcctga	ccacaactca	gagccaccgt
134641	aatcctcagc	aggtctgagc	ttgtaagggtg	tctacaagga	ttcccagaca	atgggaaatt
134701	ttgatgggac	ggcatcgagt	ttaaagggtc	taaccactgt	aaattacact	atgaggggga
134761	caaacccaaa	ccagctgata	cctgtccact	tctcagggaa	gtcactcggt	cagcaaaatg
134821	agtctcttcc	attaacagta	attgctacat	ctccaggagg	agacagctaa	atatatat
134881	aattaaagac	agggtttcac	ctgtgcacc	aggtggagt	acagtgtgc	aattatggct
134941	taatgcagcc	tggaagagtc	taccgccagg	tcagggtatt	cttccacctt	agcctcctga
135001	gtagctggga	ctacagatgc	atgccaccac	accaggctaa	tttttccttc	cttctccctt
135061	tccttccttc	cttctctcct	tcctctttct	ttctctctgt	ctctctttct	ttctttcctt
135121	tttttgagac	aggttttggc	catgttgccg	aggtgtctct	cgaactctct	ggctcaagca
135181	atctccccc	ctcggcctcc	caaaagtctg	ggattacagg	tgtgaggcac	tgcacccacc
135241	cagccttata	gctaaatatc	tcttaggctg	gtctaaccat	agagaaatgt	aatcaatggc
135301	ttttgggggt	tacctgctag	tccactcttc	ttgcatccga	attggttacc	agaacacagg
135361	gtgattaata	agacattaga	cctggccctt	acatttcctg	ggagaagggc	atgtcccttt
135421	taacaaaaac	acaactttca	tctttggatt	cccagggtat	ccctatttgc	atttactggc
135481	gtttgtcttt	cgtaagggaag	caagaatgca	aagctttgta	actcagcaca	gcgatactca
135541	agagtttctg	gatgctggga	ggacattaga	taggtgatga	gttctaatta	ttcaattttt
135601	aaaaaagact	cattttcttt	gctcttttga	actccactga	gacacttgaa	cagaaagaca
135661	gggagccctt	atgctacctg	aagagttata	tgaaaagaaag	tttccagtgc	caatacctct
135721	gcattttccat	ttaccatgtg	acctgaaaag	caatataaag	taactataca	gagaaaaaag
135781	atcaaaatgc	aacacgccaa	agtggttgtc	tttctaagtg	ggaaaatgat	aggcaactta
135841	agtttttgtc	ttattttttt	cctagattat	ttacagtga	tatgtaccac	atttagaata
135901	ataaaaaatc	ataaagatat	ttcagaatta	ataattacca	ttatgtaggg	atgggggata
135961	gtgggatatg	tacgtgccca	tgagtaacct	ttttcttcct	acatttttgg	atttccacaa
136021	taatatgaac	tcattgcttg	atatatgctg	tgaaaacttt	ctctttacac	atcatgccca
136081	gatctgcaaa	aaacattagg	ctgggatttt	ctgtagagtt	actatggcta	ctgtctttct
136141	ctctctctct	gtctccctct	ctctctctca	aacacacatg	cacacacaca	cacacacaca
136201	cacacacacc	aggcttataa	tctctggagc	aaaaatggag	ttgggaaaac	agcagctgat
136261	cccacagcga	gctcagcaca	cagagcaggc	tgacacaccg	ccccttcgga	gctacttgct
136321	tctgaaacaa	ctatatttca	ttgacattaa	aatcccttta	gcaatgggat	gaggtaagcg
136381	cctgggtggg	tgccccctgc	catgcaagag	gaacagctgt	ggggatggag	catgctgact
136441	cattgccgtc	agccacatgc	tgccctgggac	cagctcacag	ggaagactcc	agaaaccgct
136501	gctcctgctg	actgggaaca	taccctagag	gtcacctcca	aagggcaccc	ctctccttgt
136561	gggcccctgg	catgcgccct	tgctgtctat	cctgtgaagc	cttgggtggg	aatctggcag
136621	gcctgacttt	aattctggct	tccctgtgtg	gcaccatgtg	tggtcttggg	cagtcattta
136681	ccccagggtt	tcttgggtgac	atccctgcac	cacctgcacc	agaatcattt	agacacttta
136741	ctaaaataact	agttcctggg	cagtattcca	gacctatcga	cgctgagttc	tcaggggcagt
136801	gcataaggga	atctgccata	taacagctca	ctaggtgatt	ctcgtgtgct	acatttttag
136861	accagcgaga	gtatcagttt	ctgcctctgc	acaatgaggc	cattaatacc	ttcctcagag
136921	gttgtcttga	ggattataaa	tagatgacat	aattatgttc	ctggtaggaa	tgcagttagt
136981	gctcgataca	tggtaggggg	tataaaatgg	ttgttattac	ttaaagcttc	ccaaaaagag
137041	tcaaaaccct	ttgcctttat	atgagggaag	cactctgcaa	atatagtgtc	tggttctctg
137101	tacacctgaa	agggaatcaa	gaagtgttcc	cacagggcca	agccaaaaca	cactcttaaa
137161	gtccggctcc	acacagatag	aaatgggctt	cagttaactt	taatgggatg	tggtgggatg
137221	gccagagcac	tttttacctt	cgtgccagg	atacttctac	acccaggat	ctgcacagtt
137281	tttaatgcct	ctcgaacatc	ttttcacata	aagcactcaa	gcctctcagc	aatcacacaa
137341	ggaagggagg	acgagtatga	tgggaagctt	ttcacagaaa	atcttgacga	catcatgttc
137401	ttggctgtgt	tttgctcacc	ttgtccagct	gtctatgaaa	ctctaaggac	tttccataaa

FIGURE 3-LL

137461	tgtcccat	tttctt	ccattgat	aatcgtc	gaggtgc	agctccac
137521	accggggc	gatggcat	gctgcata	ggtggctt	gatgagct	tccccaac
137581	gtgccagc	cWgggcct	tccagggg	cctgcaa	gaacaccc	agccaggc
137641	cagaagtc	agcatcat	ggctgag	tgcttggt	tgtgtgct	aagcctgg
137701	ggaggctg	gagatgct	cccaggat	aggctgg	acctgaga	gctcgga
137761	gttccagg	caggaagt	agcctgg	agagttgt	acatgctg	caacagca
137821	cattcatt	aatacctg	gagttctg	ctagacat	aggatat	gttaaca
137881	ccaaaatt	cagatta	gagaattc	atatcaac	aattacac	atcgtaa
137941	tattaca	gcaataa	ctagggc	aaagcat	gtgcacat	taagag
138001	tgaatacc	tattaact	aggaaca	agaggg	acacctgt	ttgagg
138061	tggggg	gctgaag	aaacact	gaaaatt	tttgga	tcaaagg
138121	tcatgac	taagaa	gcttgtct	gctgggc	gtggctcc	actgtaa
138181	caggactt	ggaggcc	gtgggcg	cacctga	caggagt	agacgc
138241	gaccaac	gaaaaac	gtctcta	aataca	ttagatg	gtggtg
138301	gtgtctg	tcccaac	tcaggag	gaggcag	aatcgct	acccggg
138361	cggagatt	agtgaat	gattgcg	ctgcact	gcctggg	cagagag
138421	tcccatct	aaaaaaaa	aaaaaaaa	aagaaat	cttgtcta	cccttcca
138481	aagcctgt	ggccctgt	tacactga	ctgtctgt	aatcacat	cctacct
138541	tctgcatg	acttcgct	aaccacac	gccaaagt	cctgtttg	taagcat
138601	ttcatctc	cttctcat	tattgaga	ctgtattt	ccaaacac	tcataagt
138661	tgggagtt	ttggtaa	aagcagg	aaaccccc	ctcatgaa	gaagctta
138721	ttttaatg	agacagag	aataaaca	tgcatgtg	ggtcatat	tatcttag
138781	agtgatga	atgtggag	aaattaga	gtggggag	cagggagt	tggaagct
138841	attttaat	ggatggtg	acagtcct	tgagaagg	tactcaag	atgcagaaa
138901	gacttcac	agaaagc	agactagg	gggctgtg	ggctcacg	tgtaatc
138961	gcactttg	aggccgag	aggcggat	cctgagtt	ggagttgg	accagcct
139021	gcaacac	gaaacccc	ctctacta	acaaaaaa	ttagccag	atggcag
139081	gcgcgat	tcccagct	tctggaag	gaggcagg	aattgctg	acctggga
139141	agtgagtt	agtgagcc	gatcgtgc	ctgcactc	gcctgggt	gagctagg
139201	ctgtctcc	aaaaaaaa	aaaagaga	agaaagc	acactac	cttagaaa
139261	aagaccg	tttaagat	gccctttg	ggcatcta	aacttag	tttgggaa
139321	tttctctc	tccctgat	gaatggtt	tgatccct	actgtttg	caaacagt
139381	ggtttatg	gattactt	ttttctct	gggagtct	aatcttgg	cttgccag
139441	agaagctg	gacatgac	gccacca	aaacctct	gcattgag	tctaata
139501	tcccctgg	gacaacat	cacacat	gtcacacc	acagacgg	gcaggaag
139561	tgtcctgt	gactccc	ggagagg	ctaagaag	tgtgcctg	ttcctcag
139621	cttcacct	catgcctt	tcctttgt	attttgct	gtactttc	atctta
139681	atcataac	taatacag	acatgcag	tcctccta	gaatctcg	agaaatg
139741	gcattggt	gggagcgt	tgcataca	ctgagacc	aagtcagg	caagccgt
139801	agtacttg	tgggaggt	aggcgtgt	gacaagtt	ggtagcag	aggaggc
139861	tgtgctgc	gcagagg	caagaagg	atgagtgg	gactaact	aggaaag
139921	gggttcc	gccggggt	gaggaag	cctgggtt	gagggagg	ctcgatc
139981	ttttgaa	gaccactc	ggtacagt	ccagaata	aggaaatg	gggagact
140041	ttaagggg	gctgcagg	tccagccg	agatacgg	tacggctg	cacaaact
140101	gctcctga	cgaccctt	ctggattg	cttccctg	tcatgcag	ctgagtt
140161	gggtcac	ctcacagc	ttccctgg	actatatc	aagtcatt	ctacaac
140221	ttcgccag	cacctagg	ctctccca	ctttaatt	ttaacgat	tatctcta
140281	taaaaa	tttcttt	tacttta	tagaattc	ccctcctg	tgggcg
140341	ggctcac	agtaatcc	gcactttg	aggccgag	gggcagat	tgaggct
140401	agatcgag	catcctgg	aacacggt	aaacccat	ctactaaa	gacaaaa
140461	tagccagg	tgggtggc	cacctgag	cccagcta	cgggaggt	aggcagg
140521	atagctga	cctgggag	ggaggtgc	gtaagctg	attgtgcc	tgactcca
140581	cctgggca	agaatgag	tctgtctc	aaaaaaaa	agaattct	cctcctcc
140641	tcactccc	caaatgta	gttccatg	agcattta	aggcatgc	taaatatt
140701	atcaacaa	taaatga	agccaatg	ctacatga	cggtgacct	cttggtg
140761	actctgtg	gcaatcag	cagatgac	ccacattc	aaaggtcc	aggagcag
140821	agcccatg	cccccttg	agccacta	agcatcca	gcatcact	actgctta
140881	ctgtttac	taacaca	agtcacgg	actccagg	cgtacatc	gccctctc
140941	taacttgc	tggtttat	tttcaaca	ttccaaac	ctttcctc	accctccc
141001	tcattcac	agccccgc	ggaccgtg	cttctta	cctttcaa	tctgaccca
141061	tctctgcc	ctcctgtc	ctgtctgc	aggcctca	gcttctca	gggacaa
141121	gtctccct	ttttcttc	gctctcct	aaatcatg	ccagactg	gacaaagg

FIGURE 3-MM

141181	caattccaac	atatcttatt	gtgtctacat	cactcccaag	cttcaagccc	tttctgggc
141241	gcccagggtc	ttcaggagca	agcttaaact	cttgagcaat	gcacacgggg	aatttcatta
141301	tctagctcat	acctgggtgt	gcctgactta	ccaagtcctc	ttccacttcc	tcaactccat
141361	tctctgctgc	aaccatacta	attatccact	tattgttccc	caaatattca	ggcagcttca
141421	ggcctccatc	ccttctccac	ctgctgtctg	cctagaaaagc	ccatccttcc	ctactcccc
141481	tcacccatac	tcctctgggg	ccaactcgat	ctaaatcata	tttcagactt	caccttctcc
141541	agaaaacttt	ctctgtgctt	ctcttgatca	gagcacctgc	ttcattatgt	tgtgaccact
141601	tatctgctgc	ctgcgctatg	ccacagacac	ctatgggtcca	gaaccagctc	ttattcaact
141661	gaaaacagtg	catgctgcat	cttaggtact	tacaaataaa	tgctgcacaa	aacaaagagg
141721	agtactggta	tagaaacaag	tgacacaaat	caagtagtgg	ctagttaaaa	ggactgaggc
141781	aaaaataccc	agaacacttg	ttctaaccag	caaaggccca	gggtgactgg	ttaccacccc
141841	tacaagatga	ctggaatact	cattccctgg	gcagtgattt	ttttttttt	ttttttttt
141901	agatgggaatc	ttgctctgta	gctaggtctg	agtgcagtgg	cttgatcttg	gctcactgaa
141961	aattctgcct	ccgggggttca	agcgattctc	ctccctcagc	ctcccgagta	gctgggacta
142021	taggcgcccc	ccactatgcc	tggctaattt	ttttttttt	taatttttag	cagagatggg
142081	gtttcaccat	gttgcccagg	ctggtctcga	actcctgagc	tcaggcaatt	caccgcctc
142141	ggcttcccaa	agtgttagga	ttacagggct	gagccaccgc	gcctggtctg	ggcagtgatt
142201	tttgactctt	tgggttactg	ctgtgtcctc	agaacttaaa	cagtacctgg	catggtagga
142261	gatgaataaa	tatttgcaga	atagatgtcg	aatgaatgac	agacctttcc	tagcactgct
142321	cagctaccgc	agactgaacc	tagcacatgt	tccatagccc	agaatttatc	cctctacctc
142381	tgtaatgtta	ataacaacag	ctaactcta	ctgagagctt	aacagatgcc	aggcactgtt
142441	ctgaatgctt	tacatttgct	tatttcccta	actcttcaca	acaaaccctt	tgatacaggt
142501	actgttttac	caaagggaag	tggagcacaa	tggcccaagg	tgaccagagt	aggaaagaga
142561	agagccaggc	ttcaaaccce	ggcagttctg	ctccaggatc	tggtcagac	caacatacac
142621	agagaaaaat	ggctgcactt	gttctgccta	aacttagaga	cctcatttgg	ttgctcgaa
142681	ttgtctgact	ttagtcaa	atagaaacat	gagacttggc	atgaaagtct	ctgttgacac
142741	ttttttttt	tttaagtcca	gctgccta	ttattaagaa	cagggcagaa	tttctgggt
142801	ccagggaat	tcaccacagg	atacttccaa	atcacctgt	ggtgatcaga	gcctgcctt
142861	ccctcagcat	acagtatttc	acccttcaga	attttccaga	agacatttga	gatgttagag
142921	ggaagatgtg	tgtaacaggt	ccaaatgggt	ctaggagaa	acgcccataa	aggcaactga
142981	ggaggccggg	cgagtggtg	cacgcctgta	atcccagcac	tttgggaagc	caaggccggc
143041	ggatcacaag	gtcaggagtt	agagaccagc	ctgaccaaca	tggtgaaacc	ccatctctac
143101	gataaataca	aaaattagcc	gggtgtgggt	gagggtagct	gtagtcccag	ctactggga
143161	ggctgagaca	gaagaatcgc	ttgaaccag	gaggcggagg	ttgcagttag	ctgagattgt
143221	gccactgcac	tcagcctgg	gcggcagag	tgaactccg	tctcaaaaa	aagggcaact
143281	aaggagcaac	ccggattcag	ccaccacatg	gctggaaggt	cactattaca	gaattgaaag
143341	gaacaacaata	gtttctgacc	actgactact	gaccaccaac	catattgcaa	gctgacagaa
143401	tgaagtccct	accacacatc	taactcattt	aatcttcaca	aggtctctgt	gaggcaggaa
143461	ttattacctc	tgctttacag	atgaggggga	ccatattcag	aaaggctacg	aaacgtgact
143521	agggtcatac	agctgggtact	tggttagagcc	aagatttgaa	tccatcccta	tccgacttcc
143581	aaagcctgtg	ttcttgtcac	cttccagccc	acctggcctc	tacacatgtg	ctatgaaatc
143641	ctcctgggtg	ctgcaaagaa	atttatgggtg	aaacctccaa	attgaagctt	attttttttag
143701	tttatatacc	tcccactcag	gataaatagt	catcaaaatc	tccaaagtaa	aaaagaaaga
143761	gtgagggaaa	aatggctaa	aatcttctga	tcacaagccc	atctgggatc	tttcagatgc
143821	tgaaaattcc	agaaggctgg	atcgtaaggt	ttcagcttag	aagttgcaat	cagaaatctt
143881	tattgaaata	agtttatttc	cccccgagga	ctctgctggt	ataacagatg	agagatgaga
143941	gtgcctacta	gggaagaaa	tggcgagaaa	gcgagtgatg	ctactctatc	cgggaatcta
144001	gaacaaaccc	acagaggatc	cacagggatg	gagtgtgtgt	atggggagg	gggccagatg
144061	aaacaagaaa	ggcagaaaagc	taatggttgt	tgaaattgaa	tgatggacac	ttggagttca
144121	ttgtgccagt	ctatctgctt	ctctgtgtgt	ttgaaaattt	cacacatgta	cacaaagcca
144181	tgacctcca	acaagatgac	atccttagat	gttaatggcc	tgggttccat	gccttcttag
144241	acacagcacc	cttatgggga	gaggtcaagg	ctgaaatcag	gtggttctct	caccctgtcc
144301	tggtctgttc	cctgtggcc	cctcagcaag	ggtctcagta	cggccacag	tcaaaacctc
144361	gcagcaagtt	ctgcttttat	agaagacctt	ctgtaagtgg	tgaaactac	tggttttcag
144421	aatcaggaag	gagcattcaa	aagactgcta	aacctcaaa	cgagaacaa	ataaagaaca
144481	ggctgaatca	gcatgcgaca	ggagcctggt	tagtgagttg	actgaggtta	ctgtgagaa
144541	tgatgtcact	gtgtggaata	aggaagctgg	caacacccca	gagccagctg	gtggctgtgc
144601	tgggaggagg	ctggccctt	agtgccgagt	aaaggacaaa	ctccaggcag	atatttgtca
144661	gattgtggcc	agacacagtc	ttgttcttt	aacacttta	aggacaaatg	gaaagattag
144721	ccaagcccta	atcatctgaa	gaagccatgt	gtctgagaag	tctgagggaa	gatattattg
144781	aaacgatctc	agttacgatg	agacagcttt	gtttgattta	cgcaaaaggca	gagacacagg
144841	tgtactacat	ccttcaggaa	gcaagtttag	aaataagatc	tgcaagtcat	aggatgtgac

FIGURE 3-NN

```

144901 aggtctgcaa atcctgcaag tcacagggtca tccaagtggt gctagtctag ctgcttcaag
144961 aatgttgccc acgaaagggt ggtcatgggt tcacagagca ttcctgtggt ccataaccac
145021 aggtttcatc cctaactctg gtcagcaact tttgaagtat ataccaagga ccacaagttc
145081 aaggaagtgg gcagaagaaa gaatgtgatg cagtcatgca gatccatcgc cactattcaa
145141 gacacagccc agagcgctt ccaagggtt tctgttccac tgagaataaa attcaaatcc
145201 tcacaaaaga tctcaggggt caacaggact acctggcctc tgctcatctc tgttcaactca
145261 tttcctcctg gccacctgc tctagcaatg ttccttgaac tcaccaagct catttccact
145321 ttaggacctt tgcacctgca gctcgctctt gctttgatac tattccctaa gtctttgcat
145381 aattacacag atcaaacaga tctcagacca aaggctcgtc tctcaggcct ttccagacca
145441 ttctagctaa agtagcatcc ccagtcactt tctattatat cttgttttct tttttatctc
145501 actgtttact atctgatgtt attatttatt tgattgcttt ttagtgaact gtctctctcc
145561 agtagaatgt aagctccatg agggcagatt ctggactgtc tggctcaccg ctgcaccac
145621 ggaacctagg ataaggaata cctcttgatg aataaataac cctctggata ggtcagtagc
145681 tactttcata tatatatgaa ggcatttttt ttgatgaggc actttttctt aatatatgaa
145741 taagcaaaaa aatatagtat ctatattcag taaaaaatta ttttgaaaaa actaaaatga
145801 tataaggttg gggctgtcct ggagaatcta aggtatctag tcatcatata tatgaaattc
145861 aacttttcca ttgtttgata aatgttctct atgactcatg tgtcttttagc actagtttat
145921 ctgtcaaatg gtcaactggt agagaaagag cgctcgctgt gaagggatgg gattcctgaa
145981 tggggatctg gatacacagc tgggtttgtg tgttcatgca tgtgcacaag cacttgcagc
146041 tcagaatcta caaccaacag ctcttagagt cagtgtggcc ttggtatact ttgttttcta
146101 tccttttagg gtgtgtgtct ccaactttaa cgtacaagtc aatcacctgg ggaacttctt
146161 aaaatgcaga ttccaattcc aggggtgggt ctgagatttt atatttctaa ttagcgctta
146221 ctcaaggtag atctgtgtct ctggccagag gctcacactt tggcaaatct ctagtactgc
146281 aaaattgccg tctgagaaac atgctccag attagctaag aaaggaagcg ctaaccacag
146341 gggacttggc cccaagacc caaaaatata gagaacctaa tttcaacaa gcagaaagga
146401 acttctctgg aaagagacga ctcaactttc ttcatttgta ataaaccaa tctgtaacaa
146461 cttaaaatgg aatcatttct aaatgctgac ttgtgtgctg atctgggaca ctgtttaatt
146521 ccagtatggg actgtaaaat acatattctt ttacaagttt cacatttaca actcttggga
146581 catgagaaag gagaaagctt tgccaattct gtgtagcaat ggaactaaca tggaccaatt
146641 tccccatctt aattgtcttg ctccaggtat aaaactagtt gttttttttt ttctgggttc
146701 tcctttgaaa gtttcccatc ctactacca accccacaac ccccagcccc ctagtccagg
146761 ctccagggag gagctcaagc tgatgggtga gcctctgata taattgttct ggtgagtgat
146821 gagcctgttg tgaccttctc ccacttggct gctgaccacy tgagagggca gggctggctc
146881 agagtccctc cccgacctga gcgtccaact gcaactgtat gttccggcag ctttaatagg
146941 actctgtgct gcccgattta ttcatagcag ttgttaatgt gcctctctcc ttgggatcct
147001 ggggtgactg aagggcagga ctgggcattc ctgtgtcctt tagcaacctt ccaatagcaa
147061 tgactggaca tgatccatca ttgtccacag caacctccct ccagtagcac aaaaatgtca
147121 gaaagcaaac ctggcttttt tcttccagtt ttttgtgttc cttagaaKc tgctccacgt
147181 gcatcacgct gtctccaatg cctgtaaact ctgcttgctc ttccagcaaa ttatccaggg
147241 caagcttagc ctacaagaaa cattagaaca gtccagaagt aaaccaacac tcactcacct

```

FIGURE 4-A

>11:71972801-72105900

1	attccacat	ttacagtaac	ccctgtttcc	agaaaataaa	tatcaagata	aggaaagtga
61	cactaaagag	acacgcagcc	actctgcctg	taccctctct	ggaccttaaa	gagttaaagc
121	ctagccatga	tttccctacca	gggctgaggc	taatgtaaac	cacctgctca	gacRcaagaa
181	gcaggaccag	agggctcaagt	tgctgagctc	tgaagtctgt	tctgaaaaag	cttcagtttt
241	aagtacagaa	caagtgatag	gccaaaggcc	agagggctctg	agctgcagca	gcactgctct
301	ccttaccgccg	cccttgccct	gggtgccagc	tcctttgaga	ctgcctctta	gccacttact
361	gccccatcaag	ggaacaccag	acctacctca	agataacacc	aaagtgacct	ttggtcccag
421	agagttgtta	aactataccg	atctctcagc	tcatgggccc	ttgcttctgc	tgaacctcca
481	ttctcttagt	gctaactccc	actcccagaa	tttcagggcc	caaagcccac	acaagctccc
541	acctcaaagg	gtccttccca	gaaccccacc	cccttctcca	cctgatagtt	ccaaaggcct
601	acagcctcac	agctcacaaa	ggaatggct	gccccatctg	tgccgagtg	ctcacttgca
661	aaattttacca	ccacttacc	tgagacgctg	cctgcctgta	gcctaagaat	tccatgctct
721	gtaccccttt	cttagaaaga	tactccccat	ctgagagaca	ctcacatcca	aagagtga
781	acctgatct	tggggctcct	cctcctccaa	ctctRggacg	gataggccag	gaggcacatg
841	caagcaaaaca	ccgagatctc	acctggcagg	ttaccagag	gggccaagcc	accttgccct
901	aggctaataa	gctataaaaa	cagcatagga	aatactttgc	tggtacatcc	cctgcctctg
961	agaagataaa	aggcaagagg	accagtggt	ccaagagacg	ccatacagag	aaaaacaatc
1021	tttctcaatt	cctggggagt	cctgggtaga	ccgtctggtc	caagtccaaa	gagtttctctg
1081	aggtcggggc	aaaccagttt	ggtccatcta	aagggactag	cttgggctga	agcctcctct
1141	tcacacagac	cactccatct	ttgtagccta	gagtttgga	cagaacccca	aagccctgga
1201	gaggaacaag	ggagggatta	cagaggaaac	caagcttctc	tggtttcttc	aaaagtggct
1261	tacagatgtc	tgccccctct	ccccgttctc	tggagggtcc	agatcaggat	gatggcaaaa
1321	gagctgcaat	caggaaccag	acctgcaacc	aggcctgcag	ccatgtattg	tactggggcg
1381	cgtacacata	cacacacaca	cacacacaca	cacacacaca	cacacacaca	cacacacaca
1441	cacacacaca	cacactgacc	tgggcccccc	accactatat	tcacacaccc	tggtccctat
1501	cagctgacaa	aatgaacctt	ttttcactgc	ccaccaccgt	gcacacaccc	acggcctcac
1561	gcagaaatgg	tgaagccctc	tcctgagctg	tctctacagc	tcaacgtgca	ggcaaacacg
1621	ctttccttct	ctgaacaaaa	acatgctgac	atctacgcaa	gggggaaaga	aagcaacctt
1681	ttgctctgaa	aggcgccaac	tcccggatgt	tggcaagctc	tgctccacag	cgctgtttc
1741	tgagtatgtt	tacttgctct	ccctcttctc	tccctccctc	ttaaggatgg	cgcaggaaag
1801	ggagggtgagg	ggggagaatc	cacccccacc	cctcgtccat	gtttgaacaa	aaacccagag
1861	aaagagttag	ggagaaaaag	tctcggtgcg	ggggggcctt	accagactcc	ttaaagccaaa
1921	cgtatctaca	ggttttaate	cgccattagc	atttaaatct	tgaaggaga	ggaggaagg
1981	ggggccagtg	gaaagtaacc	ccacacacaa	aagaaaaagt	gttggttttc	ttctcagtg
2041	gcctggcagg	agcgatcttc	ctggctgaca	gccagaagtg	cgtcacagcc	aggagtctgc
2101	tttcttttaa	ggcacagcaa	gcttccccga	tctgggagcg	acagcaagca	ggggactctc
2161	agtgggggtg	gggcccagag	ggagggggtg	cactggagag	gaggggctgc	aaaggggaag
2221	gctggaggct	tggtccacga	actaagaaaag	caggacgaat	gggggcgcg	gggtgagggt
2281	gaaggcacaa	gcaggcaggc	aaaattactg	aactccaaca	gcagcaagag	ccaaggcaaa
2341	ctgtggcata	aacacacaaa	acacatctta	cagtggcctg	cctgacaaac	tgggatcaac
2401	cggacactcc	cccttcgctc	tgttttccac	ccagagttaa	aggcagcagt	aataatctgt
2461	ccatctctct	ggacagcaat	ggaagggtag	gacaagggtc	gtcctgataa	ttagatcagc
2521	ccctgcctgg	cggaccgcag	ggcaaggagg	aagaccggg	aacagaggct	ttgaagaaca
2581	agcaacatgc	aggccctctg	atcgggggca	ccttcctgcc	ggccccagg	caggctgtgt
2641	ctttaagtac	aacctatgca	ctcacacaca	aagcgccctg	ccaccttcca	tgggcaccgc
2701	ctgcccctgt	ctgggacacg	gcccccact	aatccattc	cccagggaa	tctctcagc
2761	ccataccttc	tgcgtggcaa	ggccaggatg	ccgtgctgtg	cccgtcctc	cccctccgcc
2821	acccaaacaa	gaagcccagg	cagattcttg	ccctggagta	caggcctgct	ctgtcctgtg
2881	ctgcgtgcta	ttgtcggtg	tggaaatggc	gccaaaatcc	cagctgtgct	gccagaacct
2941	aatcccctgt	tccgctgagc	atttatgggg	aggggctgag	gggccaaggc	acgagaccga
3001	gtacgccagg	cactggctgc	agcccttaac	agacgcaggc	acggggactt	gtagactctg
3061	cttctcctac	atggctgaaa	acaaaagatg	tctgactctt	agaagacaaa	atcacagcat
3121	ttccccccac	tgaatagcga	acttcaccaa	ggctgaaaag	gaagcccacc	agatggctca
3181	caggcacccc	ctaactctat	gccacaaaca	tttactgagc	acctaactatg	tgtaaaggcac
3241	tcctatagga	aactgtagga	agtatacaaa	gatgaattaa	gcccagcatc	cgcactgagg
3301	taggttgtaa	ttcacaggag	ataagaaata	tgacttgaag	attaatttca	aactgggtgtg
3361	ctaacttcca	taaaagctgt	aaagaaaaat	tctaaccagt	ttagaatagg	gaagggttac
3421	gaaaatgaag	tgccatttta	atttggacct	tgaacacac	aggtagcatt	tccccagatR
3481	gaaacagaga	ggtgtgggga	ggaagagaaa	gcagagagga	ggcatggaag	cagtgggaga

FIGURE 4-B

3541	aagggccttga	agagtgaggt	ggggctcagag	agctaggaga	atcttgaacc	tcaaaccaag
3601	gaatcaaaga	cttgtaagtt	tgtttggtat	taacacagag	ctgtggtatg	acaaaaactg
3661	tgccccaagt	ttattctgat	atatacctga	atgagactag	cagcaatgag	gtgagtcagg
3721	aagctgcaca	gtcaggagac	aggtaatgag	ggcacacaag	agggtaaggt	aagaaagaat
3781	ggaaaggggc	cttggcacga	cggctcacac	ctgtaatccc	agcacttttg	gtggaccact
3841	gaagtcagag	agttggagac	cagccggggc	aacataggga	gatcccatct	ctacaaaaaa
3901	tttcatgaat	aaaaaattag	ccgggtgtgg	tggcccgac	ctacagttcc	agctacttgg
3961	gaggctgagg	tgggaggatc	acttgaaccc	aggtggaagc	tgcagtgaga	gacattgttg
4021	agacagggtg	aagaactgat	aggaggcaga	gagaggaaact	gtacagggga	ggaaagtatg
4081	agggatgata	tgcagaatta	aactgaggag	atgacaggat	gtcagaacaa	gagagaaaaa
4141	agagtataat	aaatagtagc	tgggtgggca	cgggtggctca	cgcctgtaat	cccagcactt
4201	tgagaggcca	gcctgggcaa	catggcgaaa	ccctgtttct	accaaaaaat	acaaaaaacc
4261	acacaaaaaa	acaaaaacaa	aaaattagcc	aggcggagtt	cttttttttt	tttttttttt
4321	ttttaagca	gggtctcact	ctgtcaccca	ggctggaggg	cagtggcgag	atcatagtct
4381	actgtaacct	caaacttctg	ggatcaagtg	atccatctgc	ctcagcctcc	caagcagtgg
4441	gagtacaggt	gtgtgccacc	atgcttggtc	aatttttttt	tttttttttt	tctgtagaga
4501	caggctctca	ctatgttgcc	taggcacagc	attattttta	attcttctct	aaaaattcta
4561	tgcttctccc	aaagccctgg	gatacaggca	tgaaccacca	cacctggccc	acagttgtct
4621	ttgtcttttt	ctactaggag	ctatactata	gaggtcacia	tcattggcta	cagtttataa
4681	tatataggct	aaaatgtttt	acataataga	taaccagtaa	aacttcatga	tttagaaaca
4741	aattagtgtc	tttttttagt	tcagagtcct	agctactcag	gaggctaggg	ggggagaatt
4801	ccttgaactc	ggaatgagca	gagatcattg	cactgcactc	cagcctgggt	tccagagcaa
4861	gactctgtct	caataaatac	ataaaataat	ggacagatag	ataaacagag	agacagaaag
4921	acatatagta	gctaattgct	actgagtga	tactatgtac	gcgacactat	tctactgacc
4981	taatatgtac	gaactcatta	atcttaaaaa	ctcccttaat	gaagtaggta	ccattatcac
5041	ccaactttag	agaggaggat	attgagccac	aagattaaat	aatttgccaa	gatcacatag
5101	caagtaaatg	gcagaagtct	ctaccacatg	ctgctaacta	tttgacattg	gcaagaaact
5161	tctgaacttt	agtatcccta	tttgtaaaac	aagaataaag	acacctgtta	taaagcaatg
5221	aaaattaatt	caataacacc	tataaggtgt	ccaacacact	ggctagcatg	taaggcatag
5281	gatgggtgtt	tcctgcagac	taattccctac	ttggcatttt	ggctccctgt	caaccaaggtg
5341	tccaagcaga	agttggctca	ccaattgttt	gggaagccag	agagggattt	ctgcctggag
5401	caggagactg	gatcctctgt	ctgtctgcct	tcttcccctc	agtcctgcct	tctagatttt
5461	actttagggt	ccagctcaaa	tatttaatat	atttgattta	atattcctaa	ctcctcaaat
5521	atttaacagt	taacaggggt	tactttgggg	ggggggaggga	gttagattgt	agggaaacatt
5581	cacttgggga	ctttctatgc	tgtatgtttg	cttttttttt	tttttttttg	agatggagtc
5641	ttgccctgtc	accagggctg	gagtacaatg	gcattgatctc	agctcaatgc	aacctctgtc
5701	tcctgggttc	aaatgattct	cctggccacg	cctaccaagt	agctgagatt	acaggcacct
5761	gccaccaatg	ccagctgatt	tttttatttt	tagtagagac	agggtttgac	catgttggcc
5821	aggcttgtct	cgaactcctg	acctcgtgat	ccgcctgcct	caggctccca	agtgtgggat
5881	tacaggtgtg	agccactgtg	cctggccttg	catttatttt	taataatctt	gtattacact
5941	ggtgataaga	aaaatgtaac	tacctcctac	tcttggcact	tatgtgtata	tgcataaaaa
6001	tcttgtcttc	acatctagaa	tggaaattcc	tcaagggcatt	aaccagttcc	acctctctct
6061	ctctgtgatc	ccccataaca	cctagcacac	tagggctcct	taaatctgct	tctccaaact
6121	acatctggat	gtcaggttta	caaattcaac	tttctggcca	ccagagaatg	actgtgggtg
6181	gtggttggga	tgaggtgggg	gtgggggtca	gaccaaggct	cattgtctgt	ggctccccat
6241	cacctgctgc	ttcttccagg	ccctgtaagc	tattcccact	gtatcatttg	tagtctgtag
6301	ttagcaatca	ctattagtag	aaatggaagt	tcttatccaa	aggagacca	tgaagcaaaa
6361	ggcaagcag	ataccaaaac	ttttacagaa	aagcaaatgt	gcaaacataa	ttgtttgggt
6421	ttttgttgtt	tttgttttct	tgagacagtc	tcactctgtc	acccaggctt	gagtgcaggt
6481	ggcacaatca	tggctcactg	cagcctcagc	ctcctgggct	caaacatctc	tcccacctca
6541	gcctccggag	tagttgggac	cacaggtgca	tgccaccacg	cctgactaat	ttttgtattt
6601	ttttgtagag	acagaatttc	accatgttgc	ccaggctggt	ctcgaactcc	tgggctcaag
6661	cgatctgcct	gcttcagcct	cccaaagtgc	taggattaca	ggcatgagcc	atcacaggcc
6721	tggtccaaact	taatttaaa	atggcattta	tcaatgtctc	agaaaatgta	taaggtgaaa
6781	ataggaggga	ggcctgctaa	aactgccttg	gccacatatg	gcaatgcata	agccctgaag
6841	cttcctagcc	cagatagaat	tgatattgtc	tcaaaagcgt	acaagaggct	tccccagcct
6901	ggccccctgc	tctaaactca	aggcaacagc	ttccagctgt	gcagcttccg	agaggctgaa
6961	ccttccccta	gaacccctct	gcaagcttgc	caagtttctg	ggccagctct	tccaggacagc
7021	ccaaggagcc	tggccagttt	cgccaggctt	tcctcctctc	tcctccctcc	tgtggcagca
7081	gcagaatttc	cacagcccct	ctcacagcct	agacaggcag	caggcgccca	catggctcct
7141	gcctgattct	tactgtcctc	agaagagcgg	gaaaggagtg	gtaaaacctt	tctagaaaaa
7201	gagaagggcc	gggcacggtg	gctcacgcct	gtaatccag	cactttggga	ggccgaggca

FIGURE 4-C

7261	ggcggatcac	ctgaggtcag	gagttcgaga	ccagcctgac	caacatggag	aaaccccatc
7321	tctactaaaa	atacaaaatt	agctgggtgt	ggtggcgcat	gcctgtaatc	ccagctattc
7381	gggaggctga	ggcaggagaa	ttgcttgaat	cctggaggcg	gaggttgtgg	tgagccgaga
7441	tcgtgccatt	gcactacacc	ctgggttaaca	aggggtgaaac	tccatctcaa	aaaaagaaga
7501	aaaagagaag	aaagaaaggg	gtggagagcg	gggagaggga	gagagagaga	gagagaaagg
7561	aacaaaggaa	ggaaaagaga	gaagaaagga	aggaaaagaaa	ttactttaaa	ttcagtaggg
7621	agggtctggc	acagtggctc	atgccttaat	cccagaactt	tgggaggctg	agggtgggcag
7681	attgtttgag	ctcaagagtt	caagaccaac	ctatccaacg	tgacaaaatc	ccatgtctac
7741	taaaaataca	aaaattagct	gagtgtgggtg	gcaggagcct	gtaatctcag	ctacttggga
7801	ggctgaggca	agagaatcac	ttgaatccgg	gaggcgagg	ttgcagttag	ctgagattgc
7861	gccattgcac	tccagtctgg	gtgacagagt	gggactccat	tgcaaaaaaa	gagaaaaaaa
7921	aagaatttta	aattaaaata	aataaataaa	tttcagtaga	gttcagatag	agggtgaagc
7981	ggggtgggtg	ctgggttaga	gcacaaaggt	tatttcaaag	ggtcaggtag	tcctcctgcc
8041	tcagcctcct	gagtagctgg	gactacatgc	acatgccatc	gcatcaggat	ttacattatc
8101	atttttgaaa	gtttaaacaa	aaaaagactg	gagctgggtg	tgggtggctca	tgcccgtaat
8161	cccagaactt	tgggaggcca	agggtggagg	ataatttgag	ctcaggagtt	caaattcctc
8221	aggagttcaa	gaccagcctg	ggtaacatag	cgagatcccc	atctctacaa	aaaataaagg
8281	aattagccag	acatgggtgt	gtgtgcctgt	agtcctagct	actcaggagg	ctgaggtggg
8341	aggattgctt	gagtcacagga	gtttgaggtt	atagtgagct	atgatcatgc	cactgcactc
8401	tagcctgggc	aacagagcaa	gacacgtctc	aaaaaaaaac	aaaaacaaaa	acaaataagt
8461	actaggagag	ttcaagtccc	cagtcacccc	catgggatga	ttctcacaca	aataattagc
8521	ctggcactca	aggccctcca	tgacctgcag	cttctagagt	tctagcttct	agagtcgtta
8581	ttcccttacc	caaaccctcc	actctgccag	gcagggtctat	aaagttagag	tttgtcctga
8641	gaattagaca	agatgaccgc	aggggacagg	ctctggatta	gctacgaatt	acaacagtaa
8701	cagcaacgat	aatgatagtc	tttactatgc	caggatgtaa	gtgacagaga	aaagactaga
8761	aggcatgtga	ttgggcagtt	ttgtttattt	tactttattt	ttttaataaa	attaaaaaat
8821	atatggaact	cttcacaaat	ttgcatgtca	tctctgcaca	ggggccatgc	taatctctgt
8881	atcgttccta	ttttattttg	ttccaatttt	agtatacatg	ctgccgaacc	aagcactggg
8941	cagttttaaa	aatgaagaaa	tctgaggctc	aggaattagg	tgacctacga	gatctagtca
9001	tgtaaagtag	aagttgtcta	ccttgctcct	atattattct	tttttgtttt	tttctttcaa
9061	gatggagtct	cgctctgtcg	cccaggttgg	ggtgcagtgc	tgcatctccc	gctcaccgca
9121	acctctgcct	cccgggttca	tgtgattcct	gtacctcagc	ctcccagtag	gctgggataa
9181	taggcatgag	ccactgcacc	cagccagcct	atattattgt	ctacagctgt	taaataggga
9241	atcattgagt	gaatgaataa	aagctagcac	attctcagca	aatcaaagaa	gccgtgtgct
9301	tttccctcatg	aaaatcaact	tttttttatt	ttttgagaca	gagtttgctt	tgtcgcccag
9361	gctggagtag	aatggcacga	cctcagctca	ctgcaacctc	cacctgccag	gttcaagcga
9421	ttctcctgcc	tcagcctccc	gagtagctgg	gattacaggc	gctcgccaac	atgccgtgtc
9481	aatttttttt	attttttagta	gagatggcgt	ttcaccatgt	tggccaggct	gggcttgaac
9541	tccttacctc	agggtgatcca	cctgcctggg	cctcccaaag	tgctgggatt	acaggagtga
9601	gccaccgtgc	caggccgaaa	atcagcttct	taatcaaaat	aatcaaacag	ctccaatttc
9661	aaaattaatc	actaaagaat	ttttttctga	ggatccgaga	gctttacaaa	cactRaagg
9721	ccaaaactcc	tctaaaaaca	gcaagcacca	agaaaagtct	tgtactagga	gggatgttgg
9781	cagtgtctca	agggttagag	ggggaggctg	gaaggaaaatg	ctggtgctaa	agggaaggac
9841	tgctgtttca	ggagcctgac	cctgagctta	tttaccatgg	cctcattgtc	cctctccaga
9901	ggataatggc	tgattaatga	ggcagtggtg	gtaagtctga	ggcttcctgg	agagaaaagc
9961	agagggcaaa	tcaaaaccca	gagaggattc	attataacat	ccaacaggcc	cactcagttc
10021	tctctcaaga	aggcctttct	acaaaacagc	taagaacctc	tccaccctgt	ttcactgtca
10081	cagaggagta	aaatggctct	gtccctacag	gcaacatatc	aacatatcta	gcacaatgtt
10141	tgctcacaaa	cacagaacta	attataagaa	atgtgaaaga	acctgaaacg	cagggggaat
10201	actcttactg	gagacagcct	ccatagtggt	agaaaacata	gtagatctgg	tgttgaaagc
10261	ccctggaggg	gtgatgggtc	acttactagc	tatgtggctt	aatgcaagtc	acagaggcaa
10321	attactgaga	accaagctag	ggctggatca	gctctaaagt	accttttcag	ggccaggcac
10381	agttgtctat	gcttgtaatc	ccggcacttt	tggaggccaa	gatgggagga	tcacttgagc
10441	caaggaattt	gagaccagcg	tgggcaacat	agtgagaacc	tgtctaaaaa	aaaaataaat
10501	aataatatat	atatatatat	atatatagtg	tgtgtgtgtg	tatatatata	tatatatttg
10561	cctattcatc	tatctataga	tatataaata	aatagatata	tatcaaaaaa	agaaaatttg
10621	ctaggcatgg	cggttatgtg	ctgtagctcc	tggcaacttg	ggaggctgag	gtgggaggag
10681	cacttgagcc	caggagtgtg	gggttaccagt	gagctatgat	catgccactg	cactctagcc
10741	tgggcaacag	agtgagaccc	tgtctctaaa	aaaataaaat	aaagtacctt	tccacttcca
10801	aaaattccca	tgattctttc	cacaggatac	cattctcaac	aacaaatctt	gtagtagaac
10861	ttgtctcctc	agaatctggg	caaaaacatca	ctagttaggg	tgttctttca	aaaaaaatag
10921	caaatctcct	agaaaacaggc	acattgtgtg	ttaccctatt	aggaccatc	cccaaagcga

FIGURE 4-D

10981	ggcacatgtg	ggtgcttcat	taatactctg	ttgaaaggag	gaggtccttg	gaaactggta
11041	gtaccaactt	agcatggcat	acaatgaaag	gtgattggag	ccacactcga	ggaactacaa
11101	ggcagctttt	cataaataaa	agccacaaaa	tgcaatttat	aactacatct	gtctaaacag
11161	actaaagaaa	agtagctttc	tatacctagg	tcttcacccc	ttctcctccc	cacctctcta
11221	ctttatcatc	cctgtcctac	acagcactga	gaccgctctt	tctggttcca	ggtccacttt
11281	tcctttttcc	acaccagaat	gcctttaatc	actgatagaa	atgaacaaac	atgaatatga
11341	gttctaaca	ggaagacaga	tagcctcaag	aaccaacttg	tcaatatgtt	actaataagt
11401	gaaataagtg	ggaatggtgt	ctaacatggg	catgataaaa	taaaacccta	aaatacatac
11461	tgtgctaggg	atttgaacaa	acttcaggat	ttttaaggaa	ggctgtgtct	cacatctcaa
11521	ttaatcttcc	caaaagaacc	ctaagaggca	aggtttattc	caattttata	aattaggaac
11581	gtaaggctca	gtaaaaagaa	aatacctgcc	tcaaggctga	ctggtaaggc	tgacagacca
11641	gaactcaaag	agatgtcttc	taaatccagt	gctctctcca	gcacatctca	gtacatctct
11701	ctatctttct	catcagtata	ggtcttcatg	tatacaaaag	atttctgcag	ctattgttca
11761	cactgcttct	gccacagctc	atgaaaagga	caatgcagat	gtctaaatgg	caccagatct
11821	ataccacact	tttttttttt	tttttttttg	agacagggtc	ttgctctgtc	accagggtcg
11881	gagtgcagtg	gcataatcat	agctcgtctg	aacctcaaac	ttctgggtcc	aagtgtatct
11941	cccgcctcag	ccttacaagt	agctgctgct	acaacaggca	cgcgccacca	gcctggcta
12001	ttttaatttt	ttagtagcga	tgaagtctcg	ctatgttgcc	taggctggtc	tcaaacacct
12061	gggctcaagc	gatctgcctg	cattgacctc	ccaaagtgtt	ggaattaaac	ggtgtgagcc
12121	accgtgctgt	cctatccaca	cttttaagga	tgctaataaa	taacgtgatc	accatcagag
12181	aaaaataatc	ctacgtatct	ggcatcactg	agaagtacaa	aatttcacac	aagcaatttt
12241	cctactaact	gaaatttatc	ccttttaagg	caaagctctt	tctttatata	aaaacatatt
12301	ctccaaaata	cataagatat	gttactcttt	acttagaatt	aatgaaattt	aatcagggat
12361	attcgactat	aaacatgata	taaacatcct	acatactgtg	ctaggaattc	aaagattttt
12421	tttttttttt	ttgagacaag	gtctcactct	gctgccagg	ctggagtgtc	ctgggtgaat
12481	ctcagctcac	tgcaacctcc	acctcccagg	ctcaagtgtg	cctccctacc	tcagcctccc
12541	aagtagctgg	ggctaccggt	gtgcaggacc	atgccagct	agttttgtac	ttttgtaga
12601	gatggagttt	tgccatttgc	ccaagctggt	ctcaaactct	tgagctcaag	cgatcagccc
12661	accttggcct	cccaaagtgc	tgggattaca	agtgtgagcc	actgtgcctg	gccaagggt
12721	aaatctttta	actttagttt	ataatcttgt	agaggaagag	acacatctgt	aacataata
12781	tgaagccaaa	gaacatgggc	ttggggtgtg	ctgaaaggaa	ggtaagataa	cacaagcaag
12841	gctagtgggg	accaacaacc	cagggtgact	tactgaagag	aagtgggagg	cactgaaaaag
12901	tcctgggcag	gagaatggta	tactacttgt	gctttttgaa	aagatgactc	tagcacaca
12961	ctgagccag	aggcagaaaa	tggacttagg	tggcagcgac	agaggtagag	agaaaaactgc
13021	actgccaggg	caggggcagt	aggaactaaa	acagggtggc	ctgaaaggca	ttacagacgt
13081	agagacaatg	ctcttagcat	ataggggcgt	gggaaagggt	gggagctaaa	gagaacacta
13141	agattcttgc	tttcatggaa	agatttcaga	acgagaaaa	aagagttagt	actggtttaa
13201	aggagcgtga	gggactaaact	caggatggga	tgatggggaa	tgctttatag	aggaagtgtac
13261	atttaagcta	gatattaaaa	tatgagcagg	ataagtagag	tttcaccaa	aagtaaaaaa
13321	gcattctagg	cagagaaaaac	agcacatgca	aagacagacc	atattacagt	tgaacaatgg
13381	catgcagttt	tagggagggtg	catcagatga	taagaagggt	aataagtaag	gccaggggcg
13441	gtggctcacg	cctgtaatcc	cagcactttg	ggaggccaag	gcagggtgat	catgaggtca
13501	ggagattgag	accatcctgg	ccaacatggt	gaaaccccg	ctctactaaa	aacacaaaaa
13561	ttagctgggt	gtggtcacat	gcctgtaatc	ccagctactc	aggaggctga	ggcaggagaa
13621	tcatttgaac	ccaggagggtg	gaggttgcat	tgagccgaga	tcatgccact	gcactccagt
13681	ctgggtgtgt	ccagtccagag	caagactcca	tctcaaaaaa	aaaaacaagg	gtaagtaata
13741	ttaaaattgtg	aggcacttgc	ctcactacta	gaaattgtag	gtgatgagaa	gacaatcaag
13801	gtttctaaag	gaagagggtg	aaggggagca	gcattgatcag	ggctatgttt	cagaagggaa
13861	actgtataaa	gtacagactg	gaatggtaag	acacaggagg	aaggcaatag	agcataatgg
13921	ctaagattac	aagggtctgaa	cttaagacaa	cctaatacaa	attctgggtt	tatagcttaa
13981	tagctctgca	accttgggca	agttatttac	tctctctgtg	ccctcatttt	ccccagctgt
14041	aaaatgggaa	taataatagt	actttatcag	gcacaagcca	ccacacctgg	ctattttatt
14101	tttaattttt	gtagagacag	gatcttgcta	tgttgtccaa	gctgggtctg	aactcctcaa
14161	ctaaagtga	gctcccacct	tgctctccca	gagcactggg	ataacaggta	tgagccactg
14221	tgcccagccc	atagttccta	attacgcctt	tttgtatttt	attaatttat	ctttctctta
14281	ctgccttaag	ttccatgaaa	tcacaaaactg	tgtgctcacc	gctgaattct	tagaaatcag
14341	cacaatgggt	ggcacagcat	gagtgtctga	taaatacttc	ttgaatgaat	gaaaggttcc
14401	aaactatata	ttttaaatga	actctattta	aatgtaacct	ttatatagaa	ccccaggaca
14461	cacagaagaa	gacagtttga	agtaagggat	atttgagac	ttgttccctc	tgcttcccc
14521	tggttcttaa	gtcagttcta	tagttctgta	aagctttaca	gaatgcagtg	caaaaacat
14581	tgtctgttac	aagcaagaag	taatgtatgt	ctgaagtaag	gcaatgacaa	taagatgca
14641	acaatagctt	tgagaactat	ttatgacagg	ccctgacaac	caattacagt	aggccctctg

FIGURE 4-E

14701	tatccatggg	ttccacatgt	gtggattcaa	ccaacctgag	atgaaaaaca	ttttRgggaa
14761	aaaaaagcat	ctgtactgaa	gatgtataaa	cttttttttc	ttgtcattat	tctaacaat
14821	acaatgtaac	aactatttac	atagtattta	cattgcatta	tataagtaat	ccaaggatga
14881	tttaaactat	acgaaggacg	tgtgaagggt	atatgcta	attataccat	tttatataga
14941	gacttgagca	tccaaggatt	ttggtatctg	tgtgaagtc	tggaaaccaat	ccccacagat
15001	gctgagggac	aactgtataa	atgaagaatg	agaaaaggaa	aattcttgaa	gcacctctaa
15061	atttcctagc	ttgagtgaac	aaataaatga	acatgtgtgc	caaaaagcaa	gataagaatg
15121	taagagtggc	tgggcacggt	ggctcacggt	tgtaatccca	gcactttggc	aggtcaaggc
15181	aggtggatcg	cttgaggcca	ggagttcgag	accagcctgg	ccaacatggt	gaaaccctgt
15241	ctccactaaa	aatacaaaaa	aattagccgg	gcacggtggc	aggcacctgt	aatcccagct
15301	acgagggagg	ctgaggcgag	agaattgctc	aaaccagga	ggtggaggtt	gcagttagcc
15361	aagatcacac	aattgcaatc	caccctggga	aacaagagca	aaactccatc	tcaaaaaaaa
15421	aaaaaatgta	agagtaacaa	taacaatttc	cattcatctg	aacatagtat	caccctatc
15481	aagcaaatac	tattaatacc	tattatattt	agaataaatc	tttcacgtag	ttaagcaact
15541	gtcatgatct	tcattagcaa	agatcatgag	gctaataagt	agcagaatta	agtttcaaat
15601	ccaagactgt	cccaactcaa	gccccaaaatc	taaaccgtct	tgctatatgt	gcaagcagtt
15661	tgagagttag	gtcttagacg	tgagatatct	actggatata	cagttagaaa	taatcagtaa
15721	atagtgaaaa	atatgatttg	gggttagcga	taaggatctg	ggctccattt	ggaagactga
15781	ataaattcag	aagagtgtct	atgagaagat	catgcttgct	tgtaaggcct	gtaaatgggt
15841	gatgtacgca	tttgcgattg	aagtttgttg	atttaccaa	gtctctgcct	tgcatagatc
15901	tagtgggcat	cRgcattaag	agaggaagta	aaaaacttta	ggagaaaattc	catagctctg
15961	gggattcctg	ttaggacctt	tataattatt	ttgttttggg	agaatttaac	agaaagacag
16021	tgacaccaat	gtcaacaaaa	aaaaatgaga	cagcaaaggt	gataaagaga	atagatttgg
16081	ggatcatcat	tttctcttct	gcttgagatt	ccacagctct	caacaaaaat	gactattatt
16141	tgtgtatggc	tctttacaac	taacaaagtg	tttccattt	acaaggtatt	tctgtttac
16201	caataatgtc	agatgaacct	tacaacagct	gtttaaggtg	agggcattat	tattttcact
16261	ttaccaaaaga	ggaatgaagt	ccagaaaagt	taagtttacc	ttgtctaagg	tcatacagct
16321	aaaaagcaac	cgggccacga	tgtaaccacg	gttttctggc	tcctaattctg	gggctctttc
16381	cagaagactc	acctgagata	acatgagcca	ctcacttatg	aaccaagagt	catcatccct
16441	atgtatagtt	tcactgtggt	taaaaatata	acaatagggg	gatagtgaat	gggaaggggc
16501	taatggtatg	ctggtaatgt	tctgtttctt	gatgtagggt	ctagtaacac	aggtgtgttc
16561	accttgtgga	aagtccctga	gctgtaaaact	ttgtgtactt	ttctgtatat	atgtcatact
16621	gtaattatta	aataccaggc	aagccagggtc	aggaggcttg	cacttgtaat	cccaattggc
16681	gattccaggt	agatgggag	atcaacttgag	cccaggaatt	caagaccagt	ctgggtgaca
16741	aagcaagacc	cccatctctc	aaaaaaaaaa	aaaattcagc	tgggcgcgga	agcttacacc
16801	tgtaatctta	gcactttgag	aggccgaggc	agacagatta	cctgaggcca	ggagttcgag
16861	atcagcctga	ccaacatggt	aaaaccacat	cttactataa	aatacacata	cacacacaca
16921	cacacacaca	cacacacaca	caattagcca	ggtgtggtgg	tgacgcctta	taatccagc
16981	tactcagaag	gctgaggcac	aagaattgct	tgaacctgga	aggtggaggc	tgagtgagc
17041	tgagatcata	ccagtctact	ccagcctggg	tgacagagt	agactctgtc	tcaagagaaa
17101	caacaacaaa	taaaaaaaaa	ttagccagggt	atggtggcat	gcctgaagtc	tcagctactc
17161	aggaggctaa	ggcaggagga	tcacttgagc	tcaggagttt	gaggcttcag	tgagctacga
17221	ttgtgccact	gtaccccgag	ctgagtgaag	cagcaagatc	ccatctctct	tttttttttt
17281	ttgagttgga	gttttactct	tggtgcccag	gctagagtgc	agtggtgtga	tcttggtcca
17341	ttgcaacctc	cgccctccag	tttcaagcga	ttctcctgcc	tcaacctgcc	aagtgcctgg
17401	gattccaggt	gtctaccacc	accccgagct	aatttttgta	tttttagtag	ggacagggtt
17461	ttactatggt	ggccaggctg	gtcttgaact	cctcaccttg	tgatccgcct	gcctcagcct
17521	cccaaagtg	tgggattact	ggcatgagcc	atcgcgctg	accaagatcc	catctcttta
17581	aaaaaaaaaa	aaaaaaaaaa	aaaggcaag	ccaaactgat	aatcaaaact	caggaacact
17641	aagttggatg	cgctcacattt	tttactcaat	ttctcaaa	gtagctacat	ataggacatc
17701	taccagttat	ataaggatgt	acaaaattct	tgacactca	aataacatat	ccaccaatt
17761	gtcccaatcc	agactgtctt	agtgatgtga	aagaatctga	caggactgga	agtaacagaa
17821	gcccaggaaa	ggcgaggat	ttttgttaat	gaaaacaaaa	atggcattga	aaatggaact
17881	atccatcatc	atcatcaatg	atgagatac	tcaatttcag	agataacaaa	aatgtgaaaa
17941	aaaaatggcc	agtgacaatt	ggaagatact	atcaattgta	aaatacacc	caatttcagt
18001	gttaaaatat	taaaaaagca	aaaaaaaaaa	aaagaaagaa	agcattttta	aacaaaggaa
18061	atatattcta	atctcaaaa	gtagctcaat	tgtgggataa	cagattttgt	aagcacatct
18121	ctctgtacaa	gctctttggt	ttagagataa	ggacactaaa	gccttcattt	aagttattaa
18181	ataaccttac	taaattaaag	ctcacacatc	agaaagtga	taactacaat	tacaaagctg
18241	gttccttcaa	tgctcggtct	cctgccacta	cccagatgcc	tcctttaaat	ccaaaagaag
18301	atttacatat	taattccata	ttaaaactct	attttgactt	tcatatttct	ttacttcatt
18361	aactcactaa	aaaataataa	aagttaacct	ttaaaaatca	attaaagctg	ggcaggggtg

FIGURE 4-F

18421	ctcatgccta	taatcccagc	acttttgaag	gctgaggcag	gtggatcact	tgaggtcagg
18481	agttccagac	cagcctggcc	aacatggtga	aaccccatct	ctactaaaaa	tacaaaaatc
18541	agttgggcat	ggtggcaggc	gcctgtattc	ccagctactt	gggaggctga	ggcatgagaa
18601	ttgcttgaac	ccggggagggtg	gaggttgcag	tgagccaaga	ttgcaccact	gtactccagc
18661	ctaagaaaca	gagcgagaca	ccgtctcaaa	aaaaaacaaa	aaaaaacaaa	aaacaaaaaa
18721	acaaaaaact	aagctgggtg	cgggtggtca	cgctgtaat	cccagcactt	tgggaggctg
18781	aggcaggtgg	atcgctgag	ggcaggagtt	tgagaacagc	ctggccaaca	tagtgaaacc
18841	ctgtctctat	taaaaaaaaa	aaaaaatagc	taggcgtggt	agcaggcgcc	tgtaatccca
18901	gctactaggg	aggctgaggc	agaagaatca	cttgaacca	ggagggtgag	ggttcagtga
18961	gccaaagattg	tgccactgca	ttacagcctg	ggcaacaaga	gcaaaactac	atctcaaaaa
19021	aaaacataat	aataattaat	taagatgaaa	cgatgtttag	gaaacttcac	ttcttgctta
19081	tacaagtttg	ttttccttgt	tcttcaaaac	cagtgaagca	atacaaatgt	agataaaaaga
19141	caaaattagt	aatctcccag	cccctttcca	ttctctcca	aggcctccga	caagatgaga
19201	aatggttaaca	tattttttgtg	tccccaaaaa	acataaatac	aaatatattg	gaaagggttt
19261	tggtgttctc	tgtttttaga	aaactagggt	taaactttac	acattgctct	gcaacttatc
19321	tcatctaaca	atttatcaac	atctcccaaa	gcatcaataa	ctaaaattct	aactcatact
19381	tttaaaaagc	tacataaaag	ggatatccat	aacgtgttca	caattttttc	catatttttc
19441	tattgaggga	atggctattt	tcagtgttac	catttcaaac	aatgctgtaa	tgagtatcct
19501	tgacgtattt	caagttaaag	aaaaaaaact	atttctacac	acataacttc	cttgtgtgcc
19561	catgttttga	ttactcctgg	tctcatcatc	atccctacct	cccttgctca	gagaatcatc
19621	ctcagggtcc	agtgtgatga	cagagagcaa	agtaacttgg	agaatgtcaa	gacaagacat
19681	gtgatagtta	ctgttggtaa	attggaaatg	gcctgtcttg	gctgcctctc	tcagtcactt
19741	gcacatgcta	tccccctcct	ccccttacat	gtgctccctg	ttctggtctc	agcagctgct
19801	tccaactcaa	ctgatgtgag	cacagctage	tacYttgtca	cactcctaaY	cctggcaagt
19861	gcagacaggc	ccaggagctc	tccaacaact	tggaaaggag	aaggaatata	ttatcactgt
19921	gaaataatat	aatcaggagg	tatctagagt	aaaatgtaaa	actccctctt	cattaagcct
19981	caaccacat	ttgccagtga	cactcccag	ctcagaagtg	accactgtta	gaagtctgtt
20041	gtacaacctt	ttggattttt	cctaagcatg	tacacataca	ggtatatatt	cacatacagg
20101	tatgtgtgtt	tggtctacat	atctgtaatc	ataccatata	atatgttctg	caacttgccc
20161	ttttcatgta	Maaatttatt	tgacatgttt	ccataccagc	aaaaaacaga	ttctcacat
20221	ttttaattaa	ttttttttga	gacaaagtct	cactctgtca	cccaggctgg	agtgagtggt
20281	caccatcatg	gctcactgca	acctcaacca	cctgggctca	ggtgatcctc	ccacctcagc
20341	ctcctggtag	ctgggactaa	agggtgcgac	caccataccc	agctaattta	tttgtagaga
20401	tgggatttca	ccatgttgcc	caaactgttc	tcaaactcct	aggctcaaac	aatccgcca
20461	ccttgtcctc	ccaaagtgtc	gggattacag	gtgtgagctR	tcatggctgg	caattcctta
20521	aacttttaaa	agcttRaaaa	aatcctatgt	aagaatgtgc	cacaacttta	ttttcccat
20581	tgtctacatc	tgacatttta	ggttgttcac	agtgttttgc	atgtcaaaga	atgtgtatt
20641	gataacactg	gcagcacatc	tctaatttta	cacacaagct	aatattttct	taggatatat
20701	accaataatt	agaattaatg	ggttgaaaag	cttgtgtatt	ttaaattgtc	acagatatcc
20761	ccaaattacc	atctaaaact	gtgtactagt	ttatagtctc	accaacagag	gataaaaaat
20821	cccattctaca	cccttctacc	aatatatttt	atcaatatat	aagatagaat	atattattgt
20881	tttaatttat	atcttatttc	cagaaaaagt	aaacatctcc	tcacatatgc	aactgttcac
20941	tcttatttct	tatgaaaggt	attaccattt	tgatttttaa	catgagggtt	cagagatgct
21001	agagtgcac	aaccagtaag	tccagacatc	aaagctgttt	ttttaacaat	ttcccatcaa
21061	aactaggcct	ctttctgtca	agtgtaatc	cccctaccag	cagccagcaa	actatggcct
21121	ataagtttag	agcccatatt	ttgtaaatca	ggttttacta	aaacgtagcc	acgcccattc
21181	atttaagtat	tgtctatggc	tgcttttggt	ctccaatggc	agaggtaggt	agttacaacc
21241	acatggtctg	caaagcctaa	aatatttact	actgggggtc	aaacagaaac	aataacttgc
21301	ctaagcacag	tgactcacac	ctgtaatccc	agtgttttgg	gaggctgaag	gtggtggact
21361	gcttgctggt	tgagcccagg	agttcgagac	caacctgggc	aacatggcga	gattccatct
21421	ctacaaaaat	tagaaaaata	gccagttgtg	gtggcatgca	cctgtaatcc	cagatactca
21481	ggaggctgag	gtgggaggac	tgcttgagcc	tgggaggcca	aggcctggtg	gaactgccat
21541	tgtgccacca	cattccagcc	tggaagacag	agtgagactc	catgtcgaaa	aaacaaaacg
21601	cacacacaca	aaaaaaacaa	gagttaaaaa	ctaaagaaaa	gctcaggtct	gggcacagtg
21661	gctcatgcct	gcaatcccag	tacttaggaa	ggcttagcga	gaccccatct	ctacaaaaaa
21721	taaaaaaaat	taggctaggc	acggtagccc	acacctgtaa	tcccagcatt	ttgggaggcc
21781	gaggcgggcg	gatcacgagg	tcaggagaat	cgagactgtc	ctggccaaca	tggtgaaacc
21841	ccatctctac	taaaaaatac	aaaattagct	ggcgtgggtg	cggtgtgcct	gtaatcccag
21901	ctactcagga	ggctgaggca	ggagatcact	tgaaccaagg	agttggaggc	tgcagtgagc
21961	cgagatcgtg	ccactgcact	ccagcctggc	gacagagcaa	gactgtctaa	aaaaatttaa
22021	aaaattaaaa	attagccagg	cacagtgtcg	tgtgcctgta	gttccagcta	cttgggaggc
22081	tgaggcagga	ggaccccctg	aaccaaggag	ttcgagggtg	cagtgaagta	tgatcacacc

FIGURE 4-G

22141	acggcactcc	aaaatctggg	tgatagagca	agaccctgtc	tcaaaacaaa	aaaagaaaa
22201	cttctcagt	gggattagtt	atgggtctaat	tggccacagc	cagagcatgg	ctatgttaca
22261	gtgtgtggct	cattttcaaa	taactttata	tgcagtatag	gtctggtata	taatcccaaa
22321	ggaaagagcc	caaaacactc	aaatgaagtc	aaaagactta	tctttactta	tgggttgcaa
22381	cactaaaaga	ttttctatgc	actactcttc	gtcttccttg	tttcttttct	tttttttttt
22441	tttttttttt	ttgagacaga	gcctcattct	gttgcccagg	ctggagtgc	gcggtacaat
22501	cacagtttac	cacagcctca	acctcccagg	ctcaagcgat	cctccttcct	cagactcctg
22561	agtagtggg	accacaggca	ggtaccacca	cacctggcta	atttttgtat	tttttgtaga
22621	gacagggcct	tgatcatgtg	cctaagctca	tctcaaaactc	ctgggctcaa	gtaatcctgc
22681	ctctgcctcc	caaagtgtcg	ggattatagg	catgagccac	catgcctggc	cccttattta
22741	atttcatctg	gttcctactg	tccttcaatg	attttgacaa	tgtagtctct	accacacac
22801	cacaataata	caaaaccaa	gcaaactcca	ctatgtctgc	tgctaaacac	ccccacaaa
22861	cacacataca	catcacacca	caccacacaa	cacaacacag	gtgtctcctt	ccctttgtct
22921	agcagattcg	ctaggaagca	gctgcacatt	tccagcaagt	cgaacaaact	gctgagagct
22981	agggcccctg	accattgttg	gaaaggaagg	ccaattctcc	cctctagatt	gtacccttct
23041	gaagatcctg	gccatgaaa	aagtcatctc	tccagagaat	tttaagccat	tcagtctcta
23101	tgctggcagg	aggaaagtg	tcactctccc	catatcatca	gtggaggaga	tcagtgtaac
23161	ttgtttcatt	tcctcttact	tcaaaaSgtc	attttaagta	atagggtc	ttaggtata
23221	tcagtgatct	ttttaatttc	tcctcgcat	ctctcccaaa	ttttggtttt	acaaaataat
23281	ggttaaaaa	aaaaagctat	catactctcc	acgaaattta	acttaactca	gaattttgaa
23341	tgagaaatta	ataatcaaag	aacagtgc	tttaggccag	gcgcggtggc	tcactctgtg
23401	aatcccagca	ctttgggagg	ccaaggcgag	cagatcacct	gaggtcagga	gtttgagacc
23461	agcctggcca	acatggtgaa	accccatctc	tacttaaaat	acaaaaaagt	agctgggtgt
23521	ggtggtacgc	acctgtaatc	ccagctactt	gggaggctga	ggcaggagaa	tcgcttgaac
23581	ctgggagggtg	gaggttgtag	tgagccgaga	tcgtgccatt	gcactccaga	ctgggggaca
23641	agagtggagc	ttcgtctcaa	aaaacaaaca	aagaacagtg	cattttctta	cacaaataag
23701	caggtattaa	gtggttctct	ggataggaat	ttggcaatac	aaatcaaaat	taatgcctat
23761	aatcctagca	ctttgggagg	ccaaggtggg	cggatcacct	gaggtcaaga	gtttgaaacc
23821	agcctgacca	acatggagaa	acccgtctta	aaaaaatata	aaattagctg	ggcgtgggtg
23881	cacatgcctg	tcaccttagc	tactcgggag	gctgaggcag	gagaatcact	tgaacctgga
23941	acaggtggag	gttgtagtga	gctgagattg	tgccattgca	ctccagcctg	ggcaacaaga
24001	gcgaaactcc	atctcaaaaa	caaaacaaaa	ccttgatatt	tgggccagg	gtggtgggtg
24061	cacatgcca	aaatccagc	actttgggag	gctgagggtg	aaggattgct	tgagcccagg
24121	agttcaagac	cagcctgggc	aacatagtg	gacctcatct	ctacaaaaa	taaaaaatta
24181	gccaggcatg	gtggtgcaca	cctgtggtcc	cagttactcg	ggaggctgat	gtgagaggat
24241	cacttgaacc	ctgaaaggtt	gaggctgtgg	tgagctgtga	tcataccact	gcactctagc
24301	ctgggtgaca	gagtgagacc	ctgtctcaaa	acaaagaaac	aaagaaacaa	tggttgctat
24361	atttggctgg	gtatggtggc	tcacacctgc	actttgagag	gccgaggcag	gatgatctct
24421	tgaagtccag	agttcaagac	cagcaatctt	ctcgccctag	cctcccaaa	tgctgggtgt
24481	aggatgatgg	gtgtgagcca	ctgcacccag	cctaagatag	taaattttgg	tacatacatc
24541	ttacaaaaac	tcaaaaaaaa	aaaaaaatac	aaaaagctgg	ctgggtacaa	tggttgtagc
24601	ctgtcatccc	agcacttttg	gaggccaagg	taggaggatt	gcttgagccc	aggagttaa
24661	gaccagcctg	ggcaacacag	tgagaccatg	tctctacaaa	aaatttaaaa	attagccagg
24721	tgtggtggca	tacacctata	gtcccagcta	ctcaggaggc	taaggtggga	ggatcacttg
24781	agtctgagcc	tgggaggctg	aagccataat	aagctgtgat	cataccactg	cactctagcc
24841	tgggcaacag	agtgagatct	tgtgtcaaaa	aaaaaaaaaa	aagaaacaaa	aagaattaaa
24901	aaaaaaaaaa	tctcatgttc	tttcatcaaa	taattccaat	cacagaaata	aaagttagg
24961	aaataatctg	aaatacaaa	atatatggac	attaatagaa	ttatttatca	ttctgaaaaa
25021	ctgaaggaaa	actaaatatc	taacaataac	ttaaattatg	gcaagaatat	acatatgatg
25081	aaatcttatg	cagtcactta	aaatgtttta	aataagtttg	gctgggtaca	gtggctcacg
25141	tctataattc	cagcactttg	gaaggctgag	gtgggatgat	tgcttaagcc	caggagtcca
25201	agaccagcct	gggcaacata	gtagactcca	cttctacaaa	aaataaaaaa	aaaaaaaata
25261	actgggcatg	atggcagtcg	ctgtagtYc	agctacttgg	gaagctaaag	cggaagatc
25321	acttgagccc	aggaggtcaa	ggctgcagtg	agctaggatt	gcaactgtac	cactgcactc
25381	cagcctgagt	gacagagcaa	ggccccgtct	ctggggaaaa	aaaaaaaaag	tttaataaat
25441	tttaatgaca	tggggaaata	ctcaagaaaK	gttgaatttt	aaaagcagga	tataggctgg
25501	gtgcagtggc	atatgcctgt	aatccagacc	ctttgggagg	ccaaggcagg	tgaatcgctt
25561	gggctcagga	gttcaagacc	agcctgggca	acatggtgaa	acctgcctc	tacaaaaaat
25621	acaaaaatta	gccgggcatg	gtggcatgca	cctgtagtcc	tagctatttg	ggaggctgag
25681	gtaggaggat	tgcttgagcc	cagaaggttg	aggctgcagt	gagctgtgat	cgtaccactg
25741	cactgaagcc	tgggtgagag	agtgaagacc	tgtctcaaaa	caacacaaa	aaaaaaagc
25801	aggataaaac	tattatggta	tggcccat	tttgaaacta	tatatacaaa	tatttataga

FIGURE 4-H

25861	cagatagata	tatcatatac	atattttatcc	ctctccccac	atacttgtga	gtttgtatat
25921	gtgtatgtat	acgtgtaagg	aagtatacca	aataatgttc	atctctgagt	tgtggaatta
25981	tgggtgcctt	ttactttccc	ccttaacaca	ttatttttca	tgttttctaa	atagtaccat
26041	catatacaat	taggaaaaaa	ttactttcat	attgtttaat	ctagtaatct	atctgtagat
26101	atgtatcata	agaaaaatac	caaaaacgta	gacaaaaact	tatgcataat	aatgttcata
26161	taaagataca	cagaaaacta	ttaataaata	atggttactt	ctgcaggcca	gaattagggt
26221	aaagacttat	ttggggactt	atctgttata	tctattacaa	aaatgatttg	aaaaaaattc
26281	cattattatt	tgaaaaaac	tgaaagcata	taaaaatcct	atatgataga	ctattatgca
26341	gccactacaa	atattttatga	agagtatata	taaattttata	taatgaaaaa	atggtaaatg
26401	gggaaaaaag	cagaatataa	aattttagggt	aatatatgat	ctggaaattg	caaaaccaga
26461	aatatacaag	cacaaaatac	tgaaagaaaa	taggctaata	taagaacagt	agttttctcc
26521	agatagtggg	attacgggtg	atctcagttt	tcttccttat	acttctctgc	gtttttcaca
26581	tatcctagaa	tgaatatata	ctatttttca	atcaggctta	aaaaatggtt	tgtgtttctg
26641	ccctctaagt	aaaagcctgc	tcctgtgtgt	aaattttatc	cacaaaggat	ctcctcaaga
26701	aagcaacca	ctagcaagaa	gactgttcat	aatgtatatg	cctaagaaaa	tcatctttgg
26761	tgggtcagtg	agctcagttt	aaaggacac	agctctgacc	acttctctgc	ttcttgcttt
26821	tggagtgtgt	ttagtaataa	taactgagga	atcaagttct	caaacatgag	atgcctgaca
26881	aacttaatac	tgtactgtaa	gaaccaggac	caccaccttc	tctcaacctg	ctcctcaaga
26941	ctttacactt	aagaatagac	aagaccgggc	cgggcgtggt	ggctcatgcc	tgtaatccca
27001	gcactttggg	aggccgaggt	gggaggatta	cctgaggtca	ggagtgtgag	accagcctga
27061	ccaacatgga	gaaaccccat	ctctactaaa	aatacaaaaa	ttagccgggc	gtggtggcac
27121	atgcctgtat	tcccagctac	tcgggaggtt	gaggcaggag	aatcgcttga	accaggagg
27181	cgggggttgc	ggtgagccga	gatcacgcct	atagcctggg	caacaagagc	gaaactctgc
27241	tcaagaaaaa	aaaaaaaaaa	gaatagacag	gacctaaata	acatagattg	ggtcatgtta
27301	gtctgtaaat	caaaaacact	taacagctaa	ttacatgaag	aataaaatcc	aaatttctta
27361	gcataacgct	taaggttctc	taagattccaa	ccctcaaat	tccttccag	cctcatcttc
27421	agttcattcc	ctaaaatata	ctctacctca	ggcacatttt	ccccatacat	gccaggcatt
27481	ttccaagctg	tgtgcctttg	cccatgggtg	gacctccatt	aaatgccttg	tctcctaaac
27541	ctactgaact	cctattcttc	ctttacaacc	tggtctaaat	gccttctccc	aaactctcct
27601	tatgcctccc	accatcagga	acaattgttc	tttctcttat	gtgctcccat	attgcttgtt
27661	cctctacaaa	cttaattaca	atcctccctg	ggtggatgct	agctgtaata	cttgtttcat
27721	tttactaaac	tcctggaggg	cagaaacat	tttaaaatca	tttccactcc	agcacactgc
27781	ttgcacacag	taggtactaa	atatgctgcc	tgagtaaatg	acagccaatt	ggcccttate
27841	tgaattcttt	cagtgggtca	gccagggatg	gcaaattgtc	aaagctagtc	cctctaattg
27901	caagttatac	atatagcatg	agtgaccagc	agaaaatgcc	aagggcctgc	cactttaaga
27961	ggactggcaa	gatgactatg	tttacacaat	cctaattaaa	actaaagggc	aatgagggaa
28021	agaagagaaa	tagggagatt	aagaggtgtg	gattctacag	gtcacctcct	cttcttagtg
28081	agcttgctag	gcactaggct	ggaagatctg	agctacaaa	tagcctattt	tatctttggg
28141	gtagcctgta	ggatctaagt	attgaaaagc	aactaattag	gccactttgt	cctccagcaa
28201	ctggccctgc	tcttgggcat	taacttccaa	ctgggtacaca	aggctttttc	tctaataatg
28261	tcccactgta	ccaatcacta	ggagaatccc	tttaaaaaag	gcttgaaatt	aataacagca
28321	ggaaacaaa	tctctcaatc	ctctgacata	caatatccac	actgtccatt	tgtatgaat
28381	tcacccccac	ctccttcaaa	caataggtcc	taccaaggaa	tgacttctct	caggaccaac
28441	atgtcctgtg	attgtttttc	tggagcaagc	ttccagtgcc	tgcttctcat	taaatagcta
28501	cttaatgtct	gatcacccag	ctgtgactat	aagtagagag	taaagtaact	ataatttagg
28561	aagtataaaa	gaaattccac	tctaccccca	agtccagtag	tcaaacagct	tagaatagac
28621	atctccctac	ctcaaacctt	cttaggctta	tccaattttc	agatctagaa	tttttagcat
28681	ctcttaactc	tttcaatata	aaaatgagga	aaacaatgtY	tagagtaaga	aagagaattg
28741	caaatgatta	tacagtaact	tagtcacaga	atcttttgac	caggctgtct	aacacctcat
28801	ttaactgatg	agttttcaag	accactgttt	ccaggaacag	gttacagggc	actacaatat
28861	aatcagctta	atttgcata	attcaagata	acagccccta	ggcttgacct	cttcaccatc
28921	ttcctgccta	ccttttttca	aaccacaaac	tgctaacaac	aacaaaaaaa	tcaatgtagt
28981	gatttaatac	atcattttctg	cctaaaaaaa	gactggagct	accaaacatc	ctgcttcagc
29041	ctcacacact	gggagctatc	ttgattgtat	tgggtgtgtt	gggtggcgag	ggctgccaca
29101	gctgaagaa	ctcttccaac	tctttctggg	ggtcttctgg	agatgggact	gcaatggctc
29161	ctcagctgca	gtttcctata	gagcaacatg	ttgaaacaca	cttgttccct	caacacactt
29221	gtgtttcagc	cctcaacaca	cttgtgattt	gggaggagta	ccaggagaaa	gaccagtttt
29281	tggcaggcg	cggtggctca	cgcctgtaat	cctagcactt	tgggcggcca	aggcggtgg
29341	atcgcttgag	gtcaggagtt	caagaccagc	ctgaccaaca	tgggtgaacc	ctgtctctac
29401	taaaaataca	aaaaattagc	tgggcatggt	ggcacatgcc	tgtaatcata	gctactaggg
29461	aggctgaggc	aggagaatcg	cttgaacccg	agaggtggag	gttgacagtga	gctgagatcc
29521	cgccattgca	ctccagctg	ggtgacagag	agagaccctg	tctggRaana	aaaaagaaaa

FIGURE 4-I

29581	gaaaggccag	ttttctccat	tatctagtc	ccccaacct	taagcaagca	tatgcacagt
29641	cactataaag	gaaagtgact	tgttttccag	cagacatttc	taatcttatt	aaatcaaagt
29701	aaaactgcaa	tcaaaatact	ctccttagga	agttattttac	ttatttctaac	aaaacacttc
29761	tttgggagct	gccttttaaag	tctactccat	gtgagacaaa	cagaaaaatt	cggtgttact
29821	gttttatagt	cacacctcat	ccttcaccaa	aaaagggtatt	gccttgcatg	aatctttggc
29881	tcacggcatc	ttctggctgt	ttctaaaaat	tgaatccacc	aagctaagag	taaagatttg
29941	ctacctctga	ggatattcaa	aagattggct	cagaggcagt	ctgaggcaat	gacaccatca
30001	ccaaaggaaa	tctaaaggct	gagaacacaa	ttactttgaa	ggggtcaaac	ttaaaaacat
30061	tctaattgcc	ccataattac	aatcaagggg	gcaagacatg	tacaatatct	gtcacatttg
30121	ttcaactatt	atatcacttt	ataattacac	attaYataat	gataaaat	ggccttgga
30181	gaaatcttca	agatcatata	atcctaactg	tcccttttta	catatgagaa	aagttcagtc
30241	cattgagggt	aggcaatttg	tccctgggtca	cacatctggt	tagcaacagt	caggatgaga
30301	aaccagagca	cccaaactcc	cagcataatg	cacccacaca	tacttatgta	tacagctcct
30361	cctcccctgc	ttctcacttc	cttcactccc	ctgatcaaaa	gggacagaaa	taactttggg
30421	cactaaagca	caccaagaat	ggttctgaaa	cccagtagca	gagaaatgat	ggcttaaaaa
30481	ccaggacttc	tctgcagtgg	cctcaatggc	caatgtttag	tgtctggtc	acaagagttc
30541	tgggcaatct	acctcagagc	aagggccaat	gaaaacctct	ggacaccacc	gtccacagt
30601	tagaaaaata	tctttattaa	acctctctgc	tctcctccta	cagtaacctg	tttgctcaa
30661	ataattgaaa	gacaaagaca	atcactttga	agaatctggg	tcagggaaaa	agtaaatggt
30721	agagatcctg	ctcaggacaa	agctgacct	tSaaaaacta	gagggcagaa	accattttga
30781	cttacctcct	ggtggaagcc	tccacacact	agaacagggt	gatctccagc	agctctgctt
30841	agaattagtt	tccacctagg	gaagggccaa	agggacagga	atgattattc	attcccctaa
30901	cccaccact	cttagtgagc	tcagcctcac	attatcctgg	gcaaccccag	cgttctgtgg
30961	atcagacagc	aagcagaagg	gaagccatgc	agggcaggtc	aacggggtga	gtcagtgcca
31021	gagcaggaag	agtcactggg	gcagaaatcc	tgcccttctg	tggcaagact	gccaaagcc
31081	acccacactt	ggtcagcact	gtgaaggccc	tgccctgtta	ggatttcagt	ctttaagcca
31141	gaaaacttct	tcctcaggag	gccccacacc	actctcattt	tcaagtgtct	ctcctcctgc
31201	tcaaaaatct	tccagttttc	ttctccctaa	agcatcatat	ctaaattctt	tggttaact
31261	ttccaaatcc	tccattatat	ggcctcaagt	catttattca	accttatttc	ccactattct
31321	acagaatata	ctctgaattg	atcaaggccag	tcttcccact	tctctctgcg	tgagccaagc
31381	cttttctcat	ttccctgctt	tcaattatcc	aggagtggta	aattcaaaaca	tcttcagggg
31441	tcaggcaggt	aacagaaaca	aattatccag	gcaaggccca	gtggctcaca	gcggtaatcc
31501	cagcactttg	ggaagccaag	gtgggcagat	cgcttgagct	caggagtcc	agaccaacct
31561	gggcaacata	gtaaaactcc	gtctctacaa	aaatacaaaa	aattagctag	gtgtgggtga
31621	gtgtgcctgg	gtcccaccca	cttgggaggc	tgcaagtggc	tgagaccgtg	ccactggact
31681	ccagcctggg	caacagagcg	aaaccacgta	tccaaacaaa	acaaaatgaa	tgatccagtg
31741	gggcacatgg	cagatctagg	aaacgctgca	ccccctaaa	ggcattcaaa	tattttaatt
31801	cagaatattta	tgtagtgtct	cactgtgagc	atcacgataa	ccttttaaat	agttattaat
31861	actctatctt	gcaaattgaga	aaacttcccc	aaggttaggt	aactggcaaa	atgctgggca
31921	cagtctctag	acctgtctga	tgccaaagca	agagctctac	accattaggc	ttctagcagt
31981	gcaaacacca	tgaagatac	agaacctcta	aagtcacttt	tcatgataca	caaccttaat
32041	agtaggatgg	gaagcccaaa	tcacagctta	tctaaccata	tcccaactgc	ctccaattct
32101	gttcattttc	caaaccctcat	ctttctgcca	aagtatttca	ttcctagtta	tccaagtcct
32161	actgaattcc	ttcttctgta	aattcctata	gggtttatag	attagacaac	acaaataagt
32221	gctaatttat	atactgtctt	gcaaaatcag	atactgcttc	tatgtatttt	agtgtcagcc
32281	tcataaatca	aactattgta	ttaactata	tagttcttct	acaaaaatg	cctaacctga
32341	atctaataca	gaagaatcag	acaaatgcta	tgaagacaa	aaaggcattc	agattaaaaa
32401	agaactgttc	aaagttaaag	cagactaaag	acatgatagt	catgacaact	aagtgcataa
32461	atacatgcat	gatccttcaa	tgaatcctga	attttaaaaa	actcaataaa	agacatcact
32521	gggaaaagat	gagaaatctg	aacaagtatt	atatactgga	tgtattgaat	caatgttaag
32581	tttctgagt	gttaatagta	ctgtagtatt	ataggaagat	acctttttct	taggaaatac
32641	ttgctgaaat	agggattaaa	taacatgata	tttacatcta	acagtcaaaa	agattcagaa
32701	aatgaaggay	aaatagacag	caaatttggc	aaaatgttaa	tagtgactct	aaatgagaag
32761	tatatagta	tttggtacat	tattttgcaa	aatatctata	ggtttgaaaa	ttttcaaaat
32821	aaaataaatt	agtaaggagg	gaaatcctgt	attatatact	tttttatata	ctcagctctg
32881	tgacagatat	aataggcact	cattacttta	ggtatctgct	cactacctaa	ggaaactggg
32941	catttggagg	tcaRcaatca	gacagagtc	actttgctgc	agctcatgag	gggtatagta
33001	ggaaaattctt	aggggaataag	aggtttctcc	aaaactcaca	ttgtcacacc	acaggaaatc
33061	tagaaaagca	ggcaattacc	tcactcctca	ttgaggccat	cacagaagta	caggcactga
33121	acaaatgccc	actcgctagg	cagaatgcag	ctgctgcccc	cacgttagta	cccagtggtg
33181	aggtggatac	aatgtgacct	cagaggacca	agagttgagg	tcacattgca	tccaccttgc
33241	caccgggtac	caaaaatttg	acaatctgca	aaacaagtg	ctctggccag	tcacaggaag

FIGURE 4-J

33301	gcactcaagt	atcaaataaa	catgcctgaa	atatatgcag	tctttcctcc	tcaccagata
33361	aaccagtcct	cagctgcaat	aaggcagaag	aatctgcaa	ggctgaatca	ctgggtatttc
33421	ctgtgcagac	ttcaaagaaa	ctggcccttc	aataggacag	aaagggcagg	cgacacagct
33481	gccaacagag	gcctcaaccc	aggagcatgc	tatgcaataa	tgcttctctt	cccttctaca
33541	gccatcagat	acctcatttt	tactttctgcc	aatggcccc	ttattaccgc	gactgattac
33601	ctaatagcc	accttttacc	ttggttctct	cctccctca	atgagaccca	agatactggc
33661	ctttctagac	agctcctcct	ccaatttgcc	agaggaattg	tcaaaactat	tcccctggcc
33721	aggcRcggtg	gctcacgcct	gtaatcccag	cactttggga	ggccaaggcg	ggcggtatcac
33781	actgtcagga	gatagagacc	acggtgaaac	ccgtctctta	ctaaagatac	aaaaaattag
33841	cYgggcgcgg	tggggggtgc	ctgtagtccc	agctactcgg	gaggggaggc	tgaggcagga
33901	gaatggcgtg	aacctgggag	gcgagccttg	cagtgcgcgg	agatcgcgcc	actgcactca
33961	agcctgggtg	acacagagcg	agactccgtc	tcaaaaaaaa	aaaaaaaaaa	aaagtgccta
34021	ggccaggcac	aatggcttac	acccataaac	ctagcacttt	gcgaggccca	ggcaggagga
34081	ttgcttgagc	tcaggtgttc	aagactagcc	tgagcaacac	agcaagacct	tgctctact
34141	aaaaatcaaa	aaaattagcc	gggtgtagtc	ccagctacac	tacttaggag	gctgaggttg
34201	gaagacagcc	actgcactcc	agcctgggtg	acagagcgag	accctgtctc	aaaaaaaaaa
34261	aaaaaaaagt	tgcccacagt	aggagttaga	ggagaggcca	ttattaagca	cactctcag
34321	aaacctgaa	tctgacagag	ctacccaaaa	catcaatgca	gtcttaagct	gcattagtag
34381	aagatgactc	tatgcccacc	ctttgaagag	caaagttaga	ggacttgag	aggaagaaca
34441	ccaatgacca	tggcaaagg	tctagaagta	tatcatttca	aatatggagg	aagaactaca
34501	cacttttagc	caggggagaa	caagaaaaact	ttttcfaat	atacgcatac	cttcacata
34561	gatgaggaga	aagacttatg	agtccactat	aagaatacaa	aaccagaact	aatgagtggg
34621	agttacagga	agactgattt	tggtttgcc	caggggaagaa	atttcagcat	gtgtagaag
34681	ttcagaatgt	gggatgtaga	accagaatg	cttggttag	gatgtcaact	ccaccactta
34741	ttaactgtgt	ggctttgggg	agattaatct	acctgtgcct	cagttgcctt	ccctgtaaaa
34801	gagaatagta	ataatagaac	ttagctcaca	gagctttaag	aagtagcttc	cgaggctggc
34861	tgcggtggat	caggcctgta	atcccagcac	ttggggaggc	tgaggcagg	ggatcacctg
34921	aggtcaggag	ttcaagacca	gactggccaa	catggggaaa	cccgtctcta	ctaaaaatac
34981	aaaaaaaatt	agctaggctt	gggtgcgcac	gcctgtaatc	ccagctactc	aggaggataa
35041	ggcaggagaa	tcgcttgaac	ccaggaggca	gaggttgag	tgagccaaga	tcacgccatt
35101	gcactccagc	ctgggcacca	ggagcgaaac	tccatctcaa	aaaaaattaa	ccagacggta
35161	gtggtgtgcg	cctgtaatcc	cagttactcg	ggaggctgag	gcaggagaat	catttgaacc
35221	tgggagggtg	aagttgcagt	gagcagaatc	cacaccactg	tactccaagt	tggtgatag
35281	agagaggctc	catctcaaaa	aaaataaaaa	gaagtagttt	ctgtaaaagta	cttagaacag
35341	tgcttagttc	acaatatagc	ctggaaaaaa	aatgttacct	attgctatta	ctaaatgttg
35401	atacaacaga	ccaggctggg	tgtggtggtt	tgtgcttgta	atcccagcac	tttgagagaa
35461	ctgcttgagc	tcaagagttt	gagacagacc	tgggcaacat	agtgcagact	ctctctact
35521	aaaaataaaa	agagttgcca	ggcacagtgg	cgtgcacttg	tagttccagc	tactcagcag
35581	gctgagggtg	gaggatagct	tgagtcagg	agatcgaggc	tgagtgagc	tatgatgagc
35641	ccactgcact	ccagccagag	tgacagagca	agactctgtc	tcaaaataac	aaacaggctg
35701	ggtgcaatgg	ctcacgcctg	taatcccagc	actttgggag	gctgaggcgg	gtggatcac
35761	tgaggtcagg	agttcgagac	cagcctgggc	aacatggtca	aacctgtctt	ctactaaaaa
35821	tacaaaaatt	agctggttgc	agtggcacgt	gcctgtaatc	ccagctactt	gggaggctga
35881	gacaggagaa	tacttgagc	ccgagaggcg	gaggttgag	tgagccaaga	ctgtgcaatt
35941	gcactccagc	ctgggcgaca	gagtgagact	ccatctcaaa	ataaataaat	aaataaataa
36001	ataaataaaa	taaaaataat	atacaataca	aaaaacagac	cagataacct	gaagcccttc
36061	ctactaaata	tgcttagaag	tgctcagaaa	aatataataa	acatcctctt	agactgtgcc
36121	agctattaag	gtattgtctc	tcagctccaa	atctaccctg	ttatgtcccg	ctttgtgatg
36181	ctggggcctg	gactccacta	aacccatttt	cacatttgcc	agctggatcc	ctgtcaacag
36241	ggggtgctaa	ggggaaaaca	gaagacaaga	gaaggctaca	agggacttcc	tccttcttgt
36301	agcctgggtg	ttcttgacaa	cagaagtgg	ttcttcccag	ttgcYttcta	aactcccaaa
36361	accagcctcc	tgcccctcaa	aggcaccagc	atcagctaag	taaggctcaa	cagaaggcca
36421	ctcctccagg	ttcctcctat	aaggcctcga	gaaaccagca	gcaccaggta	acaccctctc
36481	cagagaatct	gggtacagct	attccagatc	cctctagact	tctaggttct	ggtagcccca
36541	acctcctccc	ctttgttttt	cagtctctga	tgagaaaaat	tctttatgca	gttattatat
36601	tgaagttact	ttaatatctc	ctttctgctt	tttcagccct	ccaccaaggg	tttaaatcaa
36661	tctcctttat	ggagttcact	ctattgtgtg	gtttctgttt	tgctgatgg	atctgaaactg
36721	acatatagat	aaactgagct	ctcaagaaag	taagaaaaat	ccccagggaac	cagaaacaaa
36781	ttagttagga	ggattagcga	gctgatgaca	tagctgtcct	agccgtgtat	ggaatttgta
36841	acacctcat	aggttcagaa	gacagatctt	gagtcacaaa	aaggcactga	gatccctgtg
36901	cagaggctga	gattcttaag	ttataactca	gtaagataat	agactaggaa	aaaaaatctg
36961	tccagagaga	aataaaaaaac	ttgccttgct	cacctagtga	gaaaggaggg	aaaaaccgtc

FIGURE 4-K

37021	taggaattca	aaacaggctg	ggtgaagtgg	ctcacgccag	taatcccagc	acattgggag
37081	gctgaggtgg	gtggattgct	tgagcccagg	agttcgagac	cagcccgggc	aacatggcaa
37141	aaccctgtct	ctacagaaaa	tataaaaatt	tgccgggtat	ggtggtgtgc	acctgtagtc
37201	ccagctactt	gggaggctga	ggtgggcgga	ctgcttgagc	ccaggaggca	gagggttgag
37261	tgagccaaga	tcctgcaact	gcactccaac	ctgggcaaca	aagccagaca	gacacctatc
37321	caaaaaataa	aataaaaata	aataaaaattc	taggaagcag	acattaatat	gtagtgaaaa
37381	acaaacaaac	gatcagtggg	tcctgggtatc	aggggtgaaag	gaaaaacgga	ctgtaaagaa
37441	gtatgagagc	cgggcacggg	ggctcacgcc	tgtaatccca	gcactttggg	aggccgagga
37501	gggcagatta	cctgaggttg	gcagttcaag	atcagcctga	ccaacatggg	gaaaccccat
37561	ttctattaaa	aatacaaaat	tagctgggca	tggtgggtgca	tgccctgtaat	cccagctact
37621	caggaggctg	aggcaggaga	atcgcttgaa	cccaggaggc	agaggttgca	gggagccgag
37681	attgcaccac	tggactccag	cctggagaat	aagagtaaaa	tccatcttaa	aaaaaaaaaa
37741	gcattgagaaa	tcttttgggg	gtgagagaaa	tctctgtgat	cttgattatg	gctgctgttt
37801	acaggtgtag	acatctgcca	aaactcgca	ttcttgaaaa	ttattacaga	cacaaaattg
37861	aaaacatgag	acaaaaacaa	gatcacgaaa	aacaagcaga	tttgaaaatg	aaccaaagag
37921	cacttctaata	aatgaaaaaa	gttagctaata	aaaaataaga	attcaaaaaa	caaatagac
37981	ctagctgaag	agtaaaactag	tatactagaa	gatagatata	aggaaaattat	ccagaagtta
38041	acacagaaaag	atagaaaatgg	aaattatgaa	agaaagaata	agatgtagac	gacagaatga
38101	ggaagttaa	cataMgttac	gcattgagatc	tgagagaggt	aaagaggtaa	tgattgggaa
38161	tttttacaca	attagtgaata	agatatgaaa	tttcagatta	aggaattact	atatgcccc
38221	agtatatagt	gatttaagaa	aattaaattc	acaccatgta	atggaagtac	agaacacaaa
38281	tgacagcaaaa	gaagatctta	aaaacaaaaca	gaaagaaaaga	caggttacc	acaataaaat
38341	aagttaattt	gcaagcatag	ttctcaagag	taacaacaaa	aagccagaat	ttcaatgaaa
38401	aaacactttc	aaagtgcata	gagacaataa	ttggaagcct	agtaccagc	taaactacca
38461	atcaagactg	aaagtgaagt	gggcacagtg	gctcatgcct	ataatcccag	cactctgaga
38521	ggccgaggcg	ggaggatcac	aaggtcaggg	gatcgagacc	atcatggcta	acacaatgaa
38581	accctgtctc	tactaaaaat	acaaaaaatt	agccaggcgt	ggttgccggc	gcctgtagtc
38641	ccagctactc	gggaggctga	ggcaggagaa	tggtgtgaac	ctgggaggcg	gagcttgag
38701	tgagccgaga	ctgtgccact	gcactccagc	ctgggcaaca	gagtgagact	ccatctcaaa
38761	aaaaaaaaaa	aaacaaaaaa	ctgaaaagtga	aataaaagatt	ttttaaatga	agacagtgtt
38821	taccactaac	agattcccac	tggacaaaaca	tctgaaggat	gtatgtatct	atgcaataaa
38881	aaaggaagga	ataaaatgca	aggaaaaata	gtgaaaaagc	aaacagtaga	catacatggg
38941	taaaatgaaa	taatcactaa	caatacaaaa	caataaacat	attttaattg	tgttggggct
39001	tcactctgtt	gcccaggcta	gctaagaact	cctgggctca	agccattctc	ccgcctgctc
39061	ctcctgcctc	agcctccaga	gtagtggga	tgacagggca	agccaccatg	cccagctaca
39121	aaataataat	tatcaattag	aattgttcaR	cttagagatg	gattgacttt	gggaatgatc
39181	tcattctaga	aagtactcat	tttgagtctg	gacaacacct	tttggtatgt	ttagtgtaca
39241	ctgggtgaaga	ggctaaatta	aatgaccaca	ccatatatta	gggttaatga	aaagttaactg
39301	tggtttttgc	cattactttc	aatggcaata	actgcaatta	cttttgcaaca	aacctaatat
39361	cttctgatca	tagttttatc	aattagacac	agctgtccaa	acagcccctg	atcagctctg
39421	ttcagccacc	tgagcagggc	tttgccctca	tcttaaaagt	tctagaattc	aagtcttatt
39481	tcaaaggcatt	cttcccactt	ccatgtttcca	catgtaaaaa	agaattctac	gtttcttaac
39541	gagctttcag	gtaagatctt	taagcttttg	gaatgtaccg	cttttcgctg	tgaactaaga
39601	gcttagacat	tacaattagt	catcccttgc	tagaacttag	gctacgaaaa	gaatactttg
39661	gaagctttca	caaaaaagta	tgtggttctt	cctctaaga	agaaaaatacc	acacagaaaag
39721	agggactgag	gaaacataaa	cccatctgtg	ctgacagaaa	gctaccttac	atgatcctca
39781	tgttcgcccc	aggttcccat	atattcacag	cagtaaagat	ctccacaaaag	cagagaggcc
39841	caactccctt	accattaaag	ctttaacgac	cagacaaccc	agaagtttgg	aaacatagaa
39901	ccaggcaaca	gatactagag	agagggaatt	atgtattaaa	gcaagaaaaat	atcatcacgt
39961	tttcaagagg	gagtgccatt	ccagttaaaga	ggacagctta	atactagggt	tcaaatgcca
40021	ctaaatgaaa	acgggaaagc	gaaattcctg	tgccctttca	gcccagaaa	ttattccaaa
40081	gcatacatatt	attcccatta	catgtcgcaa	atcctgccta	gccattagga	tacagtgcag
40141	aaaaagtctc	tcgttatcta	gaagggcaga	caaacacgca	gacttttaaa	ataccagatg
40201	gcaggccggg	cgtgatggct	cacgctgtga	atcccaagca	ctttgggaaag	ccgaggcggg
40261	cggatcacga	ggtcaagagt	tcaagaccgg	cctggccaag	atgggtgaaac	cctgtgtcta
40321	ctaaaaatac	aaaagttagc	cgggtgtggg	agcgggcgcc	tgtaatccca	gctactcggg
40381	aggctgaggc	agggaactgt	ttgaaccggg	gtggcagagg	ttgcagtgcg	ccgagatcgc
40441	gccactgcac	tccggcctgg	gcgatagggc	gagactccgt	ctcaaaaaaa	aaaaaaaatg
40501	acaagtgcata	actcagaggt	aagcaaaaga	gagtaccag	aggcggcagc	atcaaccag
40561	tggtctcccg	cccaccacca	atcttcacac	agtcacacca	cttatagtca	taaatttgta
40621	ctctccgagg	tgcggtgatg	aaacatgtta	tctgtgagag	tccatggatg	aaaaacaaaa
40681	acaaacaaaa	attaaaaaaa	aaaaaaaaaa	agacttaacc	tgttttgacc	aggacaacca

FIGURE 4-L

40741	ccccaggaag	taggtaaggc	aggtaaggtc	attgtttaca	tatatgaaaa	gtgaggctca
40801	aaatacactg	accagtccaa	gacaacgcgc	gccccacaM	agcaccttcc	ccgtccccat
40861	ttatgcccac	cccataaacc	caaagtagag	ccaacctcgc	actggctacg	taacccgggc
40921	caagctaaac	attataaacc	tcaggctccc	catctttaaa	gtataacagg	tggttagaag
40981	attaaaaaga	taaacatttg	gcaggtcatt	gtggacggtg	tagctcagaa	aatgctgact
41041	actgcactac	cataactact	gctattgtta	acgataaaag	gcaaagactt	tccaggaccc
41101	gaccctcgc	ttacaagcct	ttcggaact	tgccctatac	ccccgacccc	agtcaccttc
41161	agatttaatt	ccacagacac	gcccccaaac	agaccctccc	ctttaaggca	ccccccccc
41221	ccccggctcc	tccctctcag	gcgcctctcc	tcacaaacct	tàccccata	gattctgccc
41281	tttcggactc	ggttatggag	gaggccttcc	gctcgcagcg	gcctctccag	cacccctttt
41341	aggcctgagc	acccgcaggg	gtgccaggcg	gcacgcgcaa	acgcgggccc	gcgcgggtta
41401	cctggctgcg	cgctcccgtc	ctgcctcgcg	attctccgga	atcgtaacct	ttcgtgggct
41461	cgcgccagcg	ctgtgagcgc	acaattagtt	taaactatgg	ccccgcccc	tcgcgtgccc
41521	ctctgattgg	cctctgtcgg	cggggcccgc	ttaaggaccc	gggaaaagga	agtttgaggg
41581	ccactgggaa	agagaagggg	tatcacgcgt	tccggacccc	ggcctgtact	tgaaggcaaa
41641	gagaactaca	aatcccagcg	tcaccgcgcg	ccttgaagcc	ccgcccctga	caaaactgaag
41701	gtcccggtaa	gcacgcgcgc	agtacttatg	gcgcctgccc	ggttggtggg	acgaaagcag
41761	ttgcccattg	gttgctctga	gtaaccctga	ggcagtgga	cgccaagact	ggagagggaag
41821	cgactgcggg	tgagtcgggc	gggaaaacag	gaaacccggt	ctaggggaca	agagatctat
41881	ggagaaggga	ggggcactca	cagaacgact	aagaaccttc	ctgctcgggg	atctgagatt
41941	tccccaccg	accctcatca	cctttcacRg	cgaacaagat	acaacactca	catgggacag
42001	actgggcgag	ggggagcaga	gggagggata	ggcggtgaga	tataYatcca	tacagatttg
42061	gggatgctta	agaaccaccc	ccagggccgg	gagcgggtgc	tcacgcctgt	aatcccaaca
42121	ctggggagacc	aaggcgggcg	gaccacttaa	ggccaggagt	tcgagaccag	cctgagaaac
42181	atggcgaaac	ctgtctctac	caaaaacata	aaaaaattag	ccgggcttgg	tggcgcgctc
42241	cagtggtcccc	agctactagg	gaggctgagg	tagaaggatc	gcttgagccc	ggagattgaa
42301	gctgcagtga	gccgtgatca	cgcaactaca	ctccagcctg	ggctatagag	cgatacctcc
42361	atctcaaaac	aaaacaaaac	gaaacaaaac	aaaaacaaaa	caaaacaacg	aaccccggcc
42421	ccaacgcaaa	cataaagctc	ccaaaatcgg	atgcttcaag	ttccaggcat	aacctgggag
42481	atcagaaacg	ccctcagaaa	tggggttggg	tttctctga	ggaactgaga	ccctcttcca
42541	agacatgcgg	ttagcattag	attgagtaaa	tcgcagtcgc	taccctaatt	ctagagatgt
42601	aggaaacttc	ctggggcggtg	aagtgcctca	ttccttcttc	ttccaaggag	taaaacccct
42661	tctcaatctg	tccccagatt	cccttttctc	cccacacctt	ctcogtggtc	cgctactcaa
42721	agctctacag	ttagagcttc	atttttttta	gtactcacga	cagatctatt	acatttagta
42781	acctacccag	tgctttcaca	gtctctcttt	tgatactctt	aacagctctg	tgagtcaagg
42841	atattttatct	tcatttcaca	gattggaaaa	ctgaaaccca	gagaaaaggg	acttggccca
42901	ggccacacac	caaattagtg	acagagctag	aactagactc	cagttctccg	acttcggagt
42961	aagtctctttt	agcttcagcc	tactgcctct	atagcggaag	gacttggttc	aaggaaacag
43021	ttaaactgcc	ccagggaaaa	ggaacctgtg	tggcctactt	tgtattattt	acacttcagc
43081	tggaaatgaat	ttcagatcct	cccctgaaac	ttttaatggg	gaaaaggaaac	tagagagact
43141	aagacaatga	gacttgaaac	tttttaacta	aacaggaaac	agaagggcta	acacagcacc
43201	catgtctgaa	gtgaccatga	ttagctgggt	tctagctggt	gactagctgg	ccctgactgg
43261	tccacttact	accttaaagt	tctcccaggt	ttggctctac	gccctcttgc	cactgcactc
43321	tatatctctc	tcttgggtac	ccctccacac	ccacaacttc	attttccacc	tgtatgcaaa
43381	tgtacacaag	tgtgtatctc	aagccagccg	ctcatctcta	agctccagat	ctatatagcc
43441	aattgcctca	acatctcctt	taggatacct	caaaggcaac	ccaaactcta	catttctgaa
43501	attgaaacaa	tctctgtgta	tcccaacctt	ttcctccaag	cctggatctc	ttccagtgct
43561	cctaccttta	tccacaatat	acccaagccc	aaaacccaag	ttagtacctc	ttccatttac
43621	ttaatacctc	ttccatttcc	catctatcac	taagtcttat	cagctttact	tcctgaatat
43681	cttttatata	ggctcctagc	accatcacat	ccttctctgc	ttccctccca	gccatatttg
43741	cgactgcaa	ccagagtgat	ccttcaaaat	gcaaagctga	tactRttcac	tctctacccc
43801	accccccaatt	tttttttttt	ctttttgaga	cagagtttcg	ctcttgctgc	ccaggctgga
43861	gtgcaatggc	gcaatctcgg	ctcacagcaa	cctccacctc	ccggtttcaa	gcaattctcc
43921	tgtctcagcc	tcccaggtaa	ctgggattac	aggcatgcgc	caccacaccc	ggctaatttt
43981	atatttttag	tagagacggg	gtttctccat	gttggtcagg	ctggctcga	actcccgaac
44041	tcagggtgatc	tgcccacctt	ggcctcccaa	agtgctgaga	ttacaggcgt	gagccgcccac
44101	gcccagccag	ccccatttta	atattaatac	tatgtggttt	cctattgtct	ccatctctcc
44161	agcctccagt	ctaaccatac	atattcatcc	ttctctcccc	ttcagttata	taacctttaa
44221	ggtcttcaaa	atttccaagt	acccttccac	catagaacct	ttgcatatag	cagtcacatc
44281	tgcttggaat	gctcattcca	caccaccccc	taccccataa	gttaattttg	acttatcctt
44341	tagatttctc	tcagtcactt	cttcaggaaat	gtcttctgtg	agactgtttca	gaccaggtca
44401	gatccctcaa	ttacagcaac	ctcatggccc	tctcctttgt	agtRttattt	agttgcaatt

FIGURE 4-M

44461	tttaatgtgt	ttgttaagca	cctactactt	gccggcacta	tgagatacaa	ctgtaagaaa
44521	aaatatgggt	tctgccctgc	tggtgtttat	ggacatacag	atagtaagca	gataattaYa
44581	gtgttacgag	tgctaccatg	gcaatcatag	cactacaatt	acagatttga	ggataaaagg
44641	agactttctca	gaaaagtgtg	aacctgatct	gagccctgaa	ataagaatta	gcaaagcaaa
44701	aggaggagag	aaaaactata	ttccaagcag	acagagctgg	aaggagacac	tggtccactt
44761	aggagcccag	tggcaggtgc	agggaactta	tggtgagtgg	ttgcatttgg	ctagactgca
44821	gaattggagt	tgaggatgag	atggtagtag	aggggggtgg	acaggagcca	ggttgaaatct
44881	tggtcctcct	tttggcacct	gggaatataa	cctcccagaa	tatattagat	tatgtggcag
44941	atttttcttc	tttttctttt	gacagggtct	cgctctgttg	cccagactgg	agtgcagtgg
45001	cacagtcata	gctcactgca	gcctcgaact	cctgggcttg	agccatactc	ctacctcagc
45061	ttcccaagta	gctgggacta	taggcgtgag	ctgccatgcc	tggtctaaata	tggtggcagat
45121	ttttcatagc	agcctttgat	tttttttcca	ccatcagtcc	atcatcagaa	actctcgggc
45181	caggctgttg	aatctcctat	cagattttatg	tgattattcc	tcaaagcttc	ctgtgttatc
45241	atgttgcaac	ttgcctgaga	gagggcagga	ataggctagc	aacaaatcaa	attccaaatg
45301	ttagtaattt	cccaaaactg	aaaacagttt	tctgtcaact	tggtgattgg	taaaataaatt
45361	aagtgaataa	cattaaagta	cgataYatag	tataaaatac	tttgcaacta	ttaaaaaggg
45421	taatagtcta	caacaatttg	aaaattgaaa	aataggttta	caaaggaata	ttgtttttt
45481	aaaaatatac	ataatctagg	ctgggcacag	tggtcttacac	ctgtaatccc	agcacttttg
45541	gaggccaagg	tgagtgaata	gcttgagccc	aggagtttga	gaccagccta	agcaacatgg
45601	caaaactgtg	tctctacaaa	aaatacaaaa	attagcaggg	tggtgtgacg	tggtgctgta
45661	gtcccagcta	ctcaggaagc	taaggtgggtg	ggattgcctc	agcccaggag	gcagaggttg
45721	cagtgcagctg	aggtagcacc	attgcactcc	agcctgcaca	acagagcgag	accttgtctc
45781	aaaaaaaaaa	aaaaaaaaaga	aaaccgtgtg	tggtgtgtgtg	tggtgtgtgtg	tggtgtgtgtg
45841	tgtgtgtgta	aaaccttatt	agctatacat	tctaggttat	attcccaaac	tgtaaatgga
45901	gattcaaaact	ttgagtttct	atttgatgta	cttcttgtca	tttcaactta	ttcatctatc
45961	atattagctt	ttacagttaa	aaaacaaaac	agttaaagat	actgtcaatt	tggaaatgag
46021	aaattccagt	tccgaaacaa	ggcagggtatg	cccctaacc	tgtcattcat	caagttagtc
46081	agtctggaca	gatgaagggtg	ctggcatctg	attacctcct	ggtcataagc	cagaatagca
46141	gatcggaag	actgactcca	aaaacacagc	cacaggagta	agcatggcag	catcaacact
46201	ttgtcagttc	tccccagcag	tcaagctctc	tatgtgacac	cttgaagact	ccattaattc
46261	cttcattttct	tctttcattt	ttccattgtc	catccatttt	catttgtcca	tcaaaccctt
46321	agtgaatatg	gatttttttt	tttttttttg	ccaggctcaa	tgagggttaa	tgatgagaag
46381	ggagaaagaa	gtctgagtct	tgctcctgtc	ctcaagctta	tagggagttaa	acaaagtgtg
46441	ttataatgaa	attaacagag	aatacaactg	cttccattta	ttgagcacct	gatgccagat
46501	gtacaatagt	tctcaaggta	gggtttgtct	ccatttcaca	gatgagtaaa	caagctgtaa
46561	taaaattttg	tttgaagtac	agtgggggca	tgcaagaagt	agctattgcc	gtgtaataaa
46621	ccatcccaaa	acacagtggc	ttaagataat	aaacatttat	tattgcttct	aagtcttaga
46681	gtcagctgga	gggttcttct	gctttggctg	ggcttactca	tggtgcggca	gtcatctgtg
46741	ggttgggtga	ctctcctgat	cttgactggg	ggtaggctga	ctgtgggcta	gtctaggatg
46801	gcttcagctg	gtatctctgg	ctctttYgca	tgctctctac	ctacacatct	cataaccctc
46861	cagctgatca	ggcatgttct	catggcactg	gcaaagagca	agagggcagg	cctcttttaa
46921	agcttctgtt	tgcttcatgt	ttatcgacat	ctcattggct	aaaacaagtc	acatgtctgg
46981	tcccagcatc	agagtgcgat	gggactacaa	tggttataggc	aaaaagagat	ggatacaggg
47041	gagaccatga	atagggatca	tcaaaacaat	cagcctaaca	caggacacat	taaccaattt
47101	tatctggaaa	agaaaggctt	tatagaagag	gctacactag	aactgagtgt	tgaaacatga
47161	gagagtattc	actaagtggg	cagctgttac	ttggaactgg	atgcaggctg	gtttaccaca
47221	atcaatagaa	actcagcagg	tcttctgtgt	ctcatgacag	ggttctatta	ttgttatctt
47281	ggcttcattt	cttctggtca	ggcacagagc	agcaagcacW	caacaaatgt	ttgctgaatt
47341	gaattgaaata	tcttactgtg	aacaagggtg	ggactgaaac	agctgaacct	gggaaccaat
47401	tggttagaaag	aacagcttag	catcaactct	tctgaaacag	aaatcctcag	aattggcagt
47461	ttctcattca	ttcatcccac	aaacattttg	agtgcctgtt	gtaaacctgg	ttctatgttg
47521	gataatgaat	aagatgcgat	actagctcac	agcctgggct	acagcttaaa	tgcaagggc
47581	taaaaattta	accagcttct	tggggtccca	tttttaatac	taatYcattc	agaaaatgca
47641	acaggagctg	gtgctacaca	aaatcagaag	tctttaggaa	ctgcaactgg	ttgctctgtc
47701	aagaaaacta	acagtaaaaa	tctgccctta	agtattttta	gttaaaatcc	atgttcagtg
47761	gtgcataact	ctggggtacc	aaccagtgat	ttacttttag	aaaagtatcc	aatcttgctc
47821	aaagggtatca	aatctgYtgt	aggtgctgaa	gtgggatgag	cttctRtcta	agctaggttc
47881	ctctagttct	gtagtagaca	gccaggttcc	tctattttta	caaaagaata	atgtgttctt
47941	tgttgtctgc	ctgtagattt	aatatctaaa	agattcaagt	ctccctaatt	gacaatccat
48001	gcccattggga	ccagttcata	acagaattaa	gctgtgaagt	gactcaatct	gtcacctccc
48061	caaaagctcag	ctggtagctg	tattttttca	gaacaagaca	ttcattttcc	tctaaacctc
48121	ctaaacttga	tccatgtata	tgttaaattg	ccaaaaaagg	aatttcatag	aactgtatta

FIGURE 4-N

48181	ggcttaaaact	gaattataaag	atatacaggtc	cttgggttttt	aacagaaaatt	ctttttttttt
48241	ttttttttttt	ttttttttttc	ctgagacagg	gtctacaggg	tcttgctctg	tcgcccaggc
48301	tggagtgcag	tggcacaatt	atagctcact	gcaacctcca	acttctaggg	tcaagcaatc
48361	caactgcctc	agcctcccga	gtaataaatt	ccattttaaa	gttgtttgcc	aatttcattg
48421	tctctgcaaa	ctaatttatc	ctttgaatcc	aatgatgaga	actgcaatcc	caagggttct
48481	cttttttgctt	tggctgccag	gaatttcaga	gctaaatgta	ggcttagatt	cttaaaagtc
48541	ctggcacatc	tctctcttcc	tgtaatctag	tttctgatct	ttctctcca	tttttaactt
48601	tctaattctgc	actgtccagt	atggtagcca	ctagtcacgt	acatttgaca	ggtaggctag
48661	tccaaattgg	gatgtgctgt	aagtgtaaaa	tatctcagta	agttttaata	ttgattacat
48721	attgaatgat	tttttgatat	attgggttaa	attaagttat	taaaattaat	ttcaccactt
48781	catttttactt	attttggtta	ctagaaaatt	ttaaattata	tatatggctt	gcatttgtga
48841	catttatattt	ctagtggatg	gcactattct	gcaaatcatc	tgttttatga	ctgtgttatt
48901	attgtaaacc	tgaatccctt	ttggaaagca	ggtgaagtaa	tacaaaataa	aatacaaaag
48961	tggcagcagt	ggatggaaat	agaaagggga	ggtcgactgg	gRcaagttct	tgtccttatc
49021	cttgtcaatt	tgtcttttgc	ttgtgtgatt	cacatacaaa	ccccttggtt	aagtgtgttg
49081	tcagctctct	tcatcccagg	tgagttagtat	tctcatggct	ctcccttgct	tccagaaaaa
49141	cctcagctttt	acttttagcta	acaaattgga	aacgatctga	taagacaatt	cacaccacat
49201	tgtcaagtgc	tgataacaac	attgtgttca	tccctgtcag	ggagtatttc	catttttaacc
49261	ggaacaatc	cctgaaccca	caggaatgaa	tgctaatgg	tggagtcca	gccatcagtg
49321	acaggtgagt	gagaggtaga	ctctgggttt	gtgtgtgtgt	atgtttatat	gtgtatggct
49381	acattcagga	tagggctgaa	agttaggtat	ttggatggaa	aggtaatggg	gctggcagag
49441	aagccaagcg	gagaaggtgg	caaatcccca	gctgggccag	actgagaggg	gtggtgagac
49501	accaaccaga	tgcggtgcag	gccctcaagg	atttgttaag	caatagaata	gcccagttga
49561	tgtcaMcaga	gggtgggtat	caagacagtc	tccacagtaa	ctactgtaga	gtaacagaaa
49621	aggtctcaga	gtaggattca	ggagattatg	actgcagctc	acaactgact	cactggctta
49681	actctgggca	agtcctttta	cccctgggtt	ttcagtttct	tcatctggca	ttttccagac
49741	aaagaaatgg	gtgttcgatt	ctcaaatgag	ttctaagaga	tgtgaagggtg	ctctgagaag
49801	tagaaagtgc	tctatacatg	caaggatgca	aggaagagtg	atttcatatc	ttaaaatgga
49861	aatacagcca	ggcaggccta	gagtagtaga	ggacagaaa	cagggatgga	ggactatggg
49921	gaaacctgaa	agccggtgta	cttgaaacac	tggctcttct	ctgtcctccc	aggctgaacc
49981	cagactccca	gggcacctgc	ttgcaccttt	gaatgatggc	ctgaactatg	aacaaacggg
50041	actatatgaa	cacttcggta	caggagcccc	ctcttgacta	ctccttcaga	agcatccacg
50101	tcattcaagg	tcagccccca	gagcacagta	ctccactcac	taaggcagca	ggcccagtg
50161	ggtccctagg	aagaaacctt	aattcactta	aaagcctaaa	gagattcttc	ccatattgctt
50221	gcagatgtgt	tgttactgtc	ttttggaggg	taggggagag	ttagaggttt	ttttctgtct
50281	ttttgtttgt	tttgattttg	ccccgataca	gccccaggag	atcctaagaa	catgtgcccc
50341	tgtttgtttt	ttttaagcag	caaactctgaa	aggaacacag	gggctatcac	agtagttgat
50401	catctttaaa	agaagccagg	ctacagcagg	aaagtcaagt	ggaagaaaac	tgggaagcca
50461	gtctatcagc	caatagtttt	attctcctgt	ttttacctga	agagaggagg	aaaacacagg
50521	ctcctgtgga	gtcccagcaa	gtaggcaaaa	cctttctcct	ctgtctgcag	acacaagcct
50581	aatctgactg	gccaaacatg	aggggtctta	tctacaaaact	ggcatatttc	cagtttaaat
50641	acttactgac	aaatttctta	cactcatctc	agccaaatcc	aagtttattc	catcatcacc
50701	tacacttatt	gcaggttcca	acactgtcca	cactcgctcc	cattttgcca	ttcaatgtct
50761	ttgtaaatgg	gtagctagtc	ccttcaggag	ggaacatagg	gaggctgtca	gccatgtcat
50821	attccccaatg	agtcacccgt	tcttcctagg	gaagttctgc	catccctggc	ttttgttatc
50881	tgtcttttca	ttaaagcatc	agtcctatcg	tcctcacaga	atacagttta	acatccacta
50941	tctcagaact	attatttggc	tttagtcttc	tctcaggcaa	ctggtagcca	ctgcctttaa
51001	gctcggggaag	ctggcaataa	gcaccagtct	tagattgggt	ttaggggtcta	cttgggttat
51061	catcagccac	agtggtaact	cacgtttggt	ctctcacgag	cacacagcca	cctgctgtga
51121	tctttattgt	gcactgcac	acttctgatg	taatccatgt	ttcacaagg	gttttagctg
51181	caatagtaac	tatctctaag	acaggtgcaa	tgacagaggt	gggaagggaag	tatacctcct
51241	acctatcatg	ggaatttcta	actctgatgg	aggaggtgta	gctctgccct	ctatggagtc
51301	ctcagaattg	ggagagagac	aagcagtacc	aagggttaact	ctacatcaca	aaacgtaaat
51361	gttcagatg	gcccatcctt	cattcaaccg	ttcaatatct	actgagcact	tactaaaagc
51421	atttatatat	gtgtgtgtgt	gtgtgcgtca	tatgtatatg	ccaggtattg	tgctccttgc
51481	taggtatgtg	aggcacatca	aaggcccaaa	aggtcagagt	cccttcagat	tccccagagc
51541	ttctgaaaca	cttatttaca	gctgggggta	agggatacaa	tagagtttgg	gggtacctgg
51601	cacactattt	gggtgaatgaa	taaatattac	agaatctgaa	acggcagtg	ctttggaaag
51661	catctaattct	gtgctaccat	caaccagtt	cctctaactt	ttcacaacc	tagagtgtta
51721	aggaagtccc	ccaccatata	cacctacca	caccttccag	ttggtgggtg	agggatgaca
51781	cagggaagtt	caatcaaact	aacttgtatt	ctgacacatg	gcaagagcta	catggcagcc
51841	tttcagagag	aggaaaacag	gaacatagtt	tccagatct	tcctggagct	aaatgctccc

FIGURE 4-O

51901	cagttcccaa	agcattgata	tttgtggtcc	agcttccaga	cctgctttgg	cctactctga
51961	acaaggaact	ttacagattc	ttaggcagtg	tagtgcatg	gtggaatctg	agaggagcag
52021	caacctgtgg	cagcctggat	ataccactcc	atccttgrta	agagcagctc	cagccagcat
52081	caagttttag	gcaactctgt	cccaccagtg	attccctctg	agcttggcct	ccaccccatg
52141	cttgggtggca	ttccccaagc	tgctacctta	tcacatgggg	cactagtcca	tgtgggggta
52201	ttttgacctt	aattttgatt	catctgtgtc	attctgtttc	agggttctMa	ggaggtRtgg
52261	ggagggaagc	aggattagga	attcatgagc	tggggtacgc	cgttccagta	ccctcctgca
52321	accccgaggcc	ccaattgtgg	gtcctgtctca	ctctaggatt	aaggcagaga	gccatctggg
52381	ggatgttgcc	tgacctgcat	ctgaggagga	ggagaggtgg	gggtggaagg	gcaaagggtg
52441	tccttccagt	agagagcaga	agagagtgaa	gaaagctggc	tagcttccgc	aaatactaaa
52501	tacttccttc	cccaggggtg	aactagggaa	ccaaaggctt	agcagcaatg	ggaactggac
52561	ctcattttga	aaaagtggga	gtgaggcttt	gggggtgtcc	atacaccggg	gttctaacat
52621	aatcctattc	cctattctct	ctcctcctca	gccaaacttt	ctgaggatgt	tgtttatgct
52681	aactgcttat	atccattcac	tctttttttg	gtagagacgg	gggttcatga	tgttgcccag
52741	gctgggtctca	aacgcctagg	ctcaagcaat	cctcctgtct	tggcctccca	aagtgtctgg
52801	attacaggca	tgaaaccagc	ctccattcac	tcttgaactc	actcacttcm	atctggcttc
52861	tgctccagg	cccttgccat	tccactgaag	cagcccttac	caaggttacc	agggacttct
52921	aagttgccaa	aattactttt	cagctacttac	ctccctggaa	cttactacta	taaaactattt
52981	actccctgaa	catctttaaa	ctgtcctctc	ctgattttcc	ctgatcattt	aacttctcta
53041	atggattctt	cttctccctt	gaccttctct	cctaccctca	ctctccctga	ggaatctcat
53101	ctctttccct	aacttgtatg	ccttctatgc	taatgattct	caagctctgt	tctctgagc
53161	ttccgacctt	catctccaac	tgccactctg	acttctccac	ctttttgtac	aggaacctca
53221	aatacaccaa	agctaagcct	gaactcatca	cattcccaat	gctatttctt	cttctgtaat
53281	tccttaccag	ttaatacaac	tggcaaccac	cctttaatat	tcttctacct	ttacatccag
53341	tcaaccaa	tatgttgatt	gtagggccct	ctcatgtctt	gcttggatga	ctcaaacagc
53401	caaattggtc	atttggctca	actcactccc	taaaatccat	attccacact	gacacttaag
53461	agtgatcttt	ctgaaataaa	agatttgaat	catttgcttt	aaacactcca	gtgccttccc
53521	attacacaca	gggtaaagcc	caagatcctt	agcctgacat	ttgagacttt	tgactggatt
53581	ctgcctcct	tttctctctt	gtcccccttg	tgacgtgcgt	gcaagcactt	gtgcaggcac
53641	acaaacccgc	cccagactcc	ctggctgttc	tgtacctcta	tacctttctt	catgtgttcc
53701	cctgcctgtt	taccttctt	tgctgataa	acatccccta	atccatggag	attcagctca
53761	ggcttcacct	tccttgggaa	acttccctga	gctcccatac	tgggtcaata	gcctctcttc
53821	tgtgctgcta	caactattat	atagcactta	tcacaccatR	ttgccagctt	gctccactct
53881	tgccatata	agctcctcca	aggcacaaat	gtctgctctc	tgccctatta	ttcatacaaa
53941	gtctggaaca	gactgtctct	cattttgttt	atcactgtat	atccagtacc	tggcatactg
54001	taggtactca	acattcatgg	aaagagagac	aggatatcaa	agtgtattcc	aYtgaagtga
54061	attctatagg	ctttaccagt	agtttaattca	ggattttgtg	ctatcatcta	ctcagctcaa
54121	gcccacaac	tctgttctct	agttttcttc	aaccccacac	tgggttggtg	taaaaaagac
54181	ccagtggtag	agtggacatg	agaagtccat	gtgacctgga	aagccaagag	cttgagatag
54241	aagtctctgg	cccttagtct	aaacttactg	attgctggaa	gctgtgggac	aggggtgcac
54301	tagactcagg	cacagggcta	tggcccttcc	agaccctcca	gctacagcct	ggatggctaa
54361	tctttccagc	tctgtccctt	cccagccctc	aaagccaaaa	aagcaaatga	Ratacccaag
54421	tctcactttg	tccccacaga	tctgttaaat	gaggagccaa	ggacaggact	acgaccactg
54481	aagcgttcaa	agtcggggaa	atcactgacc	cagtcctctg	ggctgaataa	caatgttctc
54541	aatgatctga	gagacttcaa	ccaggtggct	tcacagctgt	tggagcacc	agagaacctg
54601	gcctggatcg	acctgtcctt	taatgacctg	acttccattg	accctgtgag	ttcctaacag
54661	taggaatcca	gtcaggggag	cctgaagcca	ctttgttcag	cccccaacct	ctccactcct
54721	acatgttatc	aaggaagtta	tgaggcagca	tggtagctc	caaagcacaa	ggctaggggg
54781	ccagacagat	agatgtaggt	tcaaatcctg	ggtttgctc	ttactgactg	tgactttgag
54841	caagctacct	aacctctcaa	aactgcagcc	tccctgtcgg	aaaaatgggg	ataatatgcc
54901	agtatcataa	agggtttgtg	aggattgaat	gaaatacat	gaaaaccacc	gggcacagcg
54961	gctcacgcct	gtaatcccag	cactttggga	ggccgaggtg	ggtggatcac	aaggtcaaga
55021	gagatcaaga	ccatcctggc	caacatgggtg	aaaccccgcc	tctactaaaa	atacaaaaaa
55081	ttagctgggc	gtggtggYgg	gcgcctgtag	tcccagctac	tcgggaggtc	gaggcaggag
55141	aatcacttga	acccaggagg	cagaggttgc	agttagccga	gattgcgcca	ctgtactcca
55201	gcctggcaac	agagttagac	tccgtctcaa	aaaaaaaaaa	aaagaaaaga	aaatacatga
55261	aaaccaacaa	acaactggta	catcagaggc	tgaagtaaaa	ttStaaactgt	cactgcgac
55321	ccactgtgac	ctgtgctggg	ttctcctgtg	gaagaggtag	tcaataaagt	acagcactta
55381	ctttctgtga	actcagattc	aagttttaag	aaataaagtt	tggccttttc	tagtccaaga
55441	tccctaagag	gggaaaggag	ctggagcatg	acttggacac	tattccctctg	gtgtgggtgat
55501	ctcaatttaa	ccagtatttt	aaaagcttct	tatgtgccta	gcatgatgct	ctgtcttctc
55561	gttgccttgct	gtgatagaat	cgtagactcac	caaagctgga	aaggtcttca	gtgaaggggc

FIGURE 4-P

55621	aactaaggct	gagagaggca	agtcagtggc	agtgtctgta	cccaggccca	cactcctgac
55681	cctcagatca	cagctccttt	tcagtgtgat	gccctgtatg	tcttaaaaca	taataaaag
55741	taggttacag	tcatacagta	tggctgtgga	gggttggagt	ggagggcagg	ttgttcccca
55801	cattcttcct	tctctgcccc	cgagtcagcc	ctgagcagag	attcagggtc	ctgtcctgtc
55861	tagcctggct	tttggtttcc	ctccccaaca	ggtcctaaca	actttcttca	acctgagtgt
55921	cctctatctt	cacggcaaca	gcattccagcg	cctgggggag	gtgaataagc	tggctgtcct
55981	tcctcggctc	cgtagcctga	cactccatgg	gaaccccatg	gaggaagaga	aagggtatag
56041	gtaagtggcc	tgcccctgga	ggtagcgtct	agctgggctc	ccctaaggga	aaggaggagg
56101	agaaacaaga	aatctacgac	cattcttctg	ccatgcttgg	acctgggaag	ggagtaacag
56161	acctctaagc	attccttgct	ctcagtcagg	ataaacctaa	tctttcccaa	actatgctca
56221	agtcctcca	ttccttgag	tcagggaaga	caacagcaac	tagtggaggg	ggaaggggat
56281	tctggtggg	gtgctggccc	ccagcctaag	tcttccccac	aggcaatatg	tgctgtgcac
56341	cctgtcccgt	atcaccacgt	tcgacttcag	tggggtcacc	aaagcagacc	ggagcaacgc
56401	tgaagtctgg	aaacgcatga	acatcaagcc	caagaaggcc	tggaccaagc	agaatacact
56461	ttgaggctcc	cacgacccta	gtagtccata	aggcctaagc	atagacagca	tggtttgaca
56521	ataaataatt	tgagctgttg	agcagatgag	aagtcaacta	caccttgtag	agatgttctc
56581	taactcaggc	aactgcaagt	agctctagcc	ttttcttttc	tttttttttt	ttttgagacg
56641	gagtctcact	ctgtcacaca	ggctggagtg	cagtggcacg	atcttggtct	actgcaacct
56701	cagcctccca	ggttcaagag	attctcctgc	ctcagcctcc	ccagttagctg	tgattaaagg
56761	cgctgccac	catgactggc	taattttgtt	gttgttgttg	ttgttttgag	acggtttcac
56821	tcgtcaccac	agctggagtg	cagtggctgc	atctcagctc	actgcaacct	ccgctgtctg
56881	ggttcaagcg	attctcctgc	ctcagcctcc	tgagttagctg	ggattacagg	cgctgtctac
56941	cacatccagc	taattttttt	ttttgagacg	gagtctcgct	ctgtcaccca	ggctggagtg
57001	cagtggcacg	atctcggctc	actgcaaact	ccgccttcca	ggttcacgcc	attctcctgc
57061	ctcagcctcc	caagttagctg	ggactatagg	cacctactac	cacgcctggc	taattttttt
57121	tatttttagt	agagacgggg	tttcacccatg	ttagccagga	tggctctccat	ctcctgacct
57181	tgtgatccac	ccacctcggc	ttccccacgc	taatttttta	tatttttagta	gagacaaggt
57241	ttcggcatgt	tggccaggct	ggtcttgaac	tcttgacctc	aggtgatccg	tctgctttgg
57301	cctcccaaa	tgctgggatt	agaagcttga	gccaccacgc	ccagcctttt	tttgattttt
57361	tagtagagat	gggggttctgc	catgttggcc	aggctggtct	caaactcctg	acctcagggtg
57421	atctgcccac	ctcagcctcc	caaagtgtct	ggattacagg	ataagccact	gcacctggcc
57481	agctctagtc	ttattttgct	gaaaaaggga	ggcaattgag	ggaaaggcct	gctggcctgg
57541	gggtgacaaa	accgtgggtt	accacacagc	cttgggaaat	ttatctaact	ctcggggccc
57601	ctttgtactt	ttcagcttag	agatttgggg	gttaaagtag	atcagtaatt	tccaaactct
57661	tcacagagta	ccagggtctg	tagagatgcc	tcacaggcct	ccatgacagg	ccaagaagat
57721	ggcctatgat	ctctgaaacc	agccccact	tcaatcagat	caaagtaatt	ccattctgtt
57781	ttatctagctg	ggattctgct	taagatttca	tttgataaaa	agaatcttct	tttgataaaa
57841	atttgccttg	tgactccata	ttaggtattc	ccagaagagc	ctggtctgct	ttctctctcc
57901	accccccaac	ccgccatgtc	tcccttcacc	cccaggggct	gttggttaatt	ccattgagtc
57961	tgaggcaggg	cccccaagaa	tcaaagctgc	ctcagattca	ggtctgttca	gctttgacag
58021	tgttcccatc	atcactggac	aagggtgcaa	aacagtctca	tccagtctga	ggttagccca
58081	agccaggctc	cagctaagag	ctgacaccct	aaacccttgt	ctcttgggtt	catcttcaat
58141	atccctggaa	gatgtccctt	tcccccatc	ttactctcat	agacctaagt	aatcaaaagt
58201	agaatgggta	gaacagaggg	gccagaacca	gcacatggat	gaatatactt	cctttatcga
58261	gggtgacaaa	ccaaaacaaa	aaaagaccac	acatgtaaaa	acccagggtt	ctagaaatac
58321	aaactcaatt	cattcaaat	caagctcatc	cagaccctgg	tcacaaacc	tagtgagggtg
58381	catgtgagca	ccaagtcagg	gagagggggc	aggagtgaat	ctgaggccaa	cagagagggt
58441	gggaagggga	tctccttagg	tcccttggtg	atccccccc	acccaaactg	gtatctccac
58501	attctcaatg	actatgaaga	cataccaggc	tctgtccttt	tggccccac	cccatcctg
58561	gccagagctt	caaaggccag	tcccaaaagg	ttctaccctc	acttgtctag	gcttctagcc
58621	ttcctcttct	cctccttctt	cacatttttc	tctgtgatta	gtagcaggtt	agggtactgt
58681	ataagccgca	gtgaggctgc	gggccaaggg	ggtggggtag	agatgggag	aagagaggag
58741	aagagctgtc	caaggaccct	tctcttcatt	ggatcccaaa	ctgtacaacc	agctcctctt
58801	ttgcgtccac	acggatctga	gaaagtgcac	tgtaggcata	agcagctatc	ctggagacct
58861	gagacagaga	ggggccgggg	aggagaggaa	cagagacagg	tgaggagggc	aatcaggaaa
58921	aatggggagg	ggagattaga	tgggtgatga	gaaggaggga	atgaagggga	acagggaaggc
58981	aaagagaaa	acagggatgg	gagagacaga	aggaaaaaga	caaaggggag	tgaaacaata
59041	aaggttgcag	gaaggagata	ggaaagacat	aaaaagttaa	gagaacgagg	tgggaggggag
59101	ctggggccta	caaggctacc	aggctcccta	actccacctt	ccctacctcc	tctgaggcag
59161	agtggttgaa	ccctctgcca	taccctgggc	agtgtgagaa	gggtgggcag	gggcagggtga
59221	gggtgtctc	acctgtgca	aatcagagaa	cgggatgggc	tcactggcca	gcacttgggt
59281	gggctggctg	gtaagagacg	gcagcgggtg	cagcttcttc	caatgggtca	ggctgctgct

FIGURE 4-Q

59341	cagcacagcc	aagcgggtgc	tgaccaagag	agaggggggtg	ggggtaggca	gttaagcYac
59401	agtctgccct	gcccagccca	ggtaagcctc	atccccctcag	gccagagaag	caggggtgtcg
59461	aggaggggta	tctgggaggg	aaggtctcag	ctcatcacag	actcaatcta	ggcccatctc
59521	ccttggccctc	agYgccctca	agagtgtcac	agggtaaaca	gggctgacat	gaataactac
59581	tgaagcacc	aagtgatctg	tggtcagctc	ccagggctgc	accaaagag	aagcttggac
59641	tagggggccag	gctccaaagc	tggaacagtg	atggagggtg	ggagcccaag	tagcctgagg
59701	gaccacagct	ggccaggtgc	tcacctgtac	tgcttggcac	ggtccatgta	ctcatgctgc
59761	tccatgccct	gtgagctctg	agcagacaca	tcaatgatgt	tgctatgggg	agaggagaca
59821	gagatgacat	gacaggtgct	tccgagaagg	acaaacagga	ctcagtgcca	ggtaccaact
59881	ccagggctat	ctgacaccag	tttccctcct	gcctactgga	gcagggctgg	acatggaggc
59941	acctctcccc	agtgtacctg	tcccatcccc	catgtcctga	gcctggctcc	ttctatccta
60001	gcctttaata	tggtatagagg	agctctgacc	caggcctggg	cctctgacac	ttacctggct
60061	gtcttggcaa	ggatggaaga	gagcagggcc	tgctcatcag	tgcgagcgga	aggcaggctg
60121	tgtgatttgg	gctcggctcc	attgagagct	ttggtagggg	ggctgctagg	gtccagcagc
60181	agcttccgct	cctctcggtc	ctagaagtgg	tcatgggaga	gaagtcagcc	ccaggaccgc
60241	tagatcctgc	ctttcacggg	tgctaccctt	agcccagctc	tgaccttaaa	cacccaaaaa
60301	gtttctataa	ggaatatcta	aagtgtccag	ctttatggaa	tgccagataa	gactcagttc
60361	ctgcagatcc	gttggagctc	aactgagttg	gtgttctagg	ataaatgaga	gtggaaccag
60421	gcagtcctag	aggccctgaa	aaaatggaca	gaggcacaaa	gcaggtagtc	agcaacagcc
60481	ctggagcttg	aaaaacattc	taggacctgg	caaagaaagg	atactagagg	ctggaagaca
60541	gWggagctga	gacatagcaa	gcactgggat	ctaaagggga	aatcagtgca	agtcaagagc
60601	ccaagaacag	ccttcctcat	cccctaggac	caggccctcc	ccagcaaaagc	tggtcgcttc
60661	caagatggaa	gccctggcga	gtccagacaa	agccctaggc	cccaagagaa	agcaagccca
60721	acctctccat	ggccatttct	caaattatgt	cagggcagga	atcccagccc	agctctgggt
60781	cacacagtac	aagtgtgttc	ccttcttgaa	ggcaggtccc	ttcgaagggt	ttcacccctc
60841	tgtgtctctg	tgctcttttt	gtacgtgact	cccagaacca	aactgagtgt	acatggtgta
60901	tcctgatctg	agcagtacag	ctgtagccat	gtatggtgat	tcacaccagt	aatcccaaca
60961	ctttgggagc	ccaaggcaga	aggattgctt	gagtccagga	gtttgagacc	agcctgggca
61021	acaaagcaag	acctcgtctt	tgcaaaaaaa	aaaaattagc	tggaacttgg	agtgtagacc
61081	ctgcagtcct	acctacttgg	gaggctgaag	tgcaacgact	gtatgaacct	agggtttgag
61141	gctgcagtga	gctaggactg	tgccactgta	ctccagctctg	ggcaagagag	caagacccca
61201	tctcaaaaaca	aacaacaatg	gcgctgttcc	ctcccttgct	aaaccacctg	agtagcccat
61261	gtaaattttc	agcagccctg	ttcctgctgg	cctgtgctga	taatcacaac	ccctgaacta
61321	atgttaagacc	aaaccaagct	tcctctattg	tttggctctc	ctccttgtcc	tcttctagtc
61381	ccctgttcta	tctactgtaa	tatttctgga	tttgaccctg	ccttgagacc	atcagctgca
61441	aatccttgct	tgctgtatca	gcagtaaatg	agaaaaacag	acctgctggg	tatctatcca
61501	acccataaag	agcaagagtg	ccctgaacaa	agccaaggat	Rggcccaggg	ggacatctcg
61561	gctaattgctg	actcaccaac	cttcagtgcc	agactcctca	atgctcccct	ccaggcctat
61621	ctcagttcct	cagtctttcc	tgctgcaggc	cgcagctccc	ctgcccacaa	ctccacaact
61681	ctccttgtag	agggctactt	cctcctgccc	tgcttaggga	ggcccagcct	tttcacctta
61741	ctcttctttc	tcaaggctag	gttgcccaag	tgtcctcagg	caatttgatc	cagttcccaa
61801	cagcaagaga	cagaagctgt	gggctttgcc	ccatcacctc	tataaaactcc	cagacaccct
61861	tcctccctaa	atacataggc	tcagtattaa	agagctaaaa	agacaaaatg	tttgccaaag
61921	ataaaactat	gtatttctaa	ggaaagctgg	ctccataatg	aggcccaagt	tagcttcccta
61981	tgtgtctgtc	ctcccagctc	cacttcagac	agatcttcct	gcaggacagg	gtagtctctt
62041	ccctatcagg	ggttcttcaa	gaagaagggt	ggctgatcac	ttctcagcct	tcagctaaga
62101	tcaagtgaac	aacaagggtta	ttttcttgaa	acccagactt	aaagaagagg	ccatgctacc
62161	tacttcagag	cagacaaaca	tcaccccaact	cccaaagtgc	gagtggagca	tgggttaggt
62221	ttgtcacatc	aaggtttgtc	tctgcattag	tgtaacccaa	gaggcagggg	ttcactgtct
62281	accttagcac	agacatagca	gcctgcccRt	gactggccac	ctggtctagg	ggcatggctg
62341	agacagcttg	gccccatgga	taaagtacat	ggcctagcgt	cagaacacct	gggcactagc
62401	acttctcagc	ttggccaaat	cacttagctt	ctctgaactt	cttctcacc	tttcaataga
62461	cataaccac	actaatatga	cggatgtctg	gcaagagtca	aattagataa	ctgtgaaggc
62521	cctttgtaaa	ctgtaacgtg	ttgtatatatt	tttattatga	taaagagaca	gagatgcag
62581	tcggagaggg	gcctgcccac	gaactcaaag	agggactgtg	ggatgggtgga	tgggttatggc
62641	ccttgctaca	tgaggcctca	aatcacccag	cagtgtattaa	gcaccttctc	tgggtgttag
62701	gaacagaaat	gagagccccc	caaggagaag	gtagagattc	aggagagcag	caggcccagc
62761	tctcccttcc	aagtagaagc	ttgtatcctt	tctcatacgg	cattaatcct	tcttgactca
62821	ttccctgcaa	gagtccatat	tatgctttta	gggacaattt	cccactaggc	tacagctctc
62881	ccagtaggca	gggttatgtg	tgtctctttc	tcaaaaaagg	ggaagtgaag	tgagaggtat
62941	taggcacaac	acatgcctaa	cacagggcaa	agggaaatatg	tggtcattgg	gtgtatggag
63001	aattgagaac	cagaagccac	ccttgcttcc	catacaaacg	acattttcct	aggcttaagg

FIGURE 4-R

63061	ccttaatcca	aaatacgttc	actgaagaac	gaactacttc	ccaagtacca	gtgatataat
63121	ctatTTTTgt	gaccatcttc	cccattagac	cgtagagctac	ctgaaacctt	tctactctct
63181	cagggtctact	atatgttcaa	atgtagaatc	cggtcttaga	gacgatcaaa	aaaggagagt
63241	agacagcaac	ttgagacttc	atccttgaat	gtcaggccag	gcaggggcagg	gattagagtg
63301	tggggagaag	tgagaatgca	ctaagaggaa	gagggagaat	ttaaaactgt	acagggtctcc
63361	ccagcctaac	cctttctcca	aaggatcag	atctacagcc	aaattctcag	aataggcatg
63421	tctccagcta	aaggaacctt	caggccccag	gcagactgca	ctgaggcaag	ccaaactcag
63481	aaccaaatga	acttcccgtt	ccattttctt	tttcccacaa	tctagccaaa	gctaaatcct
63541	ctttgttgct	tcccagacaa	tttcccacat	gtcccgatgt	cctcactgta	tcgattaaat
63601	ccttcattgg	ccaattcaaa	ggccaccaac	ttccagagtc	gtcccctggc	cctagactag
63661	cagcgacctt	ccttctgcaa	ccccagggac	taagacgata	cacgaattcc	tgattcatct
63721	caggacagac	taactcaggg	cctcagctta	cccaccccta	aaatggattc	gcaaagccca
63781	ctaatacaca	gaagacacag	gaagctgggg	aagggaagtgt	ttcccgggga	cctagactga
63841	ggatccttga	atctgaaaag	ttttgaagggt	aggagcaaac	ggaaagtggg	ggagcgagcc
63901	ggacaggcgg	ctgcctgcac	accccagggc	ggggaactgtg	tagaaatctg	gggttttaac
63961	aggggtagga	gcccggcttg	gcgtctcctc	tgtaatctgt	ccccccagg	cctcpgtatt
64021	cagtgaagccc	tgcagtccgg	ctgcccgtcc	tccgagggtt	tctttctggg	ccccatgcc
64081	cagtgtcttta	gccctcattc	ccgagccccg	cctgccgcgg	ccgcacctgg	tccgagtcct
64141	cgttctcgct	gctgtagcag	caccccatgg	ccggggctcg	gccgggcgct	caggccgcgc
64201	cgaggaggga	cggtcgtccg	gaggagccct	tccggtcaca	tgaccgcggg	cggtcctccc
64261	caggcaacca	cccgccccca	cccccgctac	ccctgtccc	ggagccgctt	ggccgctca
64321	gtcaataccc	cggttccgg	tccgcgccgc	tagcgcgtga	tcgttgtcaa	ccaatgggaa
64381	ggcgtaaccg	tacacgcaag	cacgtgatgc	ggggaaggg	cggggcggat	cacatgactt
64441	catctttcca	gtctctaaac	tggcagtagt	ggccatcgtg	aattgtgtta	tgcgttctcg
64501	tggccactag	gccacttttc	tgggccattg	agcgaactcg	taccaaatgc	cctcgtatgc
64561	ccttgtgata	tactcttcta	aatgccatgc	gaggggcgac	tgggatccag	gcctgatgct
64621	ccagatcgta	cggtctgggt	gcacacacac	agatgatcca	gatgaccagt	acctagtccg
64681	ggaacacaga	gggtgtatcg	cccagctggg	ctgggggtga	atacacagag	ggtgtattct
64741	ccacctgggc	tggggatctg	cgacttacag	gaagaaggga	ccttatacta	ccttcacatg
64801	ctgacgcgca	gcggagataa	atcctggtag	aggagataga	agccacctca	ctgacctctc
64861	tgttttcagg	cttttatctt	taattctgcc	ttttttaaca	gcaccatttg	taatcgaaag
64921	cacaaagctg	accatcagtt	ctcttttctt	aaaccccgct	ccatgtcttc	ccttggggccc
64981	tgaacacagg	tccaagtccg	tccaagattg	tatagtgtac	catttgtttg	tcatgagcgt
65041	gtgtgtgggt	gttcaccagc	atgtatcaaa	tgtgccaccc	tcaaatcttg	ttttggcaca
65101	ttacccgtct	gacataacaa	gagcctgaca	cctctcccac	tgcatgttct	gggtgagggg
65161	gtggaggggt	cagcaatgtg	tttcaactga	catagagaaa	taatgtagtt	tcctgattga
65221	tctactggac	tttgtacatg	cagcctggtc	tgctactgtg	ctttactgtc	ttcgagactc
65281	agtacaatgt	cctcctgatt	acctctctct	actccattct	ctggacatgc	ccagctccct
65341	atgcttaatc	ctcatccagt	gttaattcat	gcattttattg	aatcaacaaa	tatttgctga
65401	gcgtctacta	tgtgccacac	attgttatat	ctggatatgc	agcagttcac	aaaacagcca
65461	aagtcacctg	agtcattgga	catccaatag	tgatcacact	atattgtatt	ccttcgtctt
65521	gggtcagttc	cacctaccaa	acttgggagt	tcctggagca	cagtgacagg	ttctgactct
65581	tcctgttagc	ccaaggcatg	gccttgctta	cagaaaactt	gcatatcaat	gagcatgtta
65641	cagtcacccc	atcaccttgg	ctcaccccat	gccccatctt	ctgatccaaa	gtattggaga
65701	agtcaccaga	tctcatacct	cttataaccc	ctcaaatcaa	gacctgagg	ttctgtaaat
65761	cttttgaggt	tcctgaaggg	taggaggcag	ctcaagctcg	tcctgggggc	tggttaactg
65821	aactgcaggt	ctcaggtgac	agcagcagcc	tcagcatgaa	taattgaaag	ccattccagc
65881	ctcctacctc	agggttatcc	cccgcagcag	gccctggact	ccccgacctg	tcctgtgctc
65941	tggtcctcca	gcccaggtaa	gcagggccct	ggattgtggg	ttcccaagct	caccagttca
66001	agcccaccgc	atcactcacc	tattcacacc	catccataga	ctctttcatt	tttactcccc
66061	gccatcacca	ggggccttgc	aagaaggccg	gcaaggaggt	cagatctgga	tgaggaggag
66121	aatgggtccag	gacatgggag	gagaggccca	ttccccatag	gtccctggag	agaagagctg
66181	agtagaggga	aaatgtgtgc	tgtgtgttat	gtgtatgtac	acatttgtga	agggaattct
66241	gagacagcac	aggagaagag	gggaatacag	cggagaggag	atggggctgg	agaattatta
66301	agaatcaaaa	gactcctccc	atcctcaggg	aagagcaggg	agagggagag	tcctgggggtg
66361	ggaagaggga	catctcactc	taaacacctt	tgggggtattt	tgattgcatt	ttactgaggg
66421	agggcacagt	gatagtgaag	gtgtttttga	ctgcaaatct	atgctctttt	gctacacagc
66481	agtggtcaga	ggagaccagg	caggcagagg	gtaggggtgg	gggaagatat	cccagagggtg
66541	aattagtga	aggggtcctg	aagaaggggt	gacttcaagg	ataaagagaa	acaagtcagg
66601	ggaacaatgt	gaagatggga	ccaggggttg	ggaccgggaa	gaggtgggtt	ggggctgggt
66661	gctgaaagta	gacagtatag	agtccttgaa	agtacacagg	cttggaaatc	cactaacctg
66721	gattcaaatc	ccagtctctgc	tctgtgactc	tggacaaaag	acttagacctt	tctgagccgt

FIGURE 4-S

66781	ggtttgtgaa	atataaggat	aataattgct	actggcāaaa	gctacacaaa	taggcaaatt
66841	gtgggtatgg	gattccctcc	ctacctccct	ccaccccagg	gcccaggtag	ggaccatgtc
66901	ccctgccatt	gcattggcct	tcttgccact	ggtggtāaca	ttgctgggtgc	ggtaccggca
66961	ctacttccga	ttgctgggtgc	gcacggctct	gctgcgaagc	ctccgagact	gcctgtcagg
67021	gctgcggtac	gāggagcggg	ccttcagcta	cgtgctcacc	catgccctgc	ccggtgaccc
67081	tggtcacatc	ctcaccaccc	tggaccactg	gagcagccgc	tgcgagtact	tgagccacat
67141	ggggcctgtc	aaaggtcagt	gttccctagc	cttctgctcc	aagaagtacc	cccaagacag
67201	tgaaggaata	tttgggatct	gttgctgctt	aactggatga	attgggcagg	ttcttgatcc
67261	tcttttaggg	cctctttttt	ttctcatctg	gaaatgagga	gcttggaata	agtcatttat
67321	tcagcaāaca	tttattgcca	cctcttttgt	attaggaatg	tgctaggtgc	cagggagagg
67381	ggtagaggcc	acagagatga	atgagccaca	aatgctggcc	tcaaaggāac	cataatacac
67441	agtggāataa	ccatctcagc	agataaccca	tagctttgta	attatctgtc	tccacatctt
67501	tcctctccac	catggaggct	tcacataacc	atttagggtā	gctgtctgct	tggtatttat
67561	tcaatccca	cataagtgtc	tttaggggtc	tatttaagaa	attcggtgtg	gtgggtggctg
67621	gtgcctgtaa	tcccagcact	ttgagaggcc	gaggtgggca	gattgcttga	gctcaggagt
67681	ttgagaccgg	cttgggcaac	atggcaāaaa	cccattctcta	caāāāāatāc	āāāāattācc
67741	caggcatggt	ggcacatgcc	tgtggtccca	gctacttggg	aggctgaggt	gggaggtttg
67801	cttgagccca	ggaggctgag	gctgcagtga	gctgtgattg	tgccactgca	ctccagcatg
67861	ggtgacagag	caagaacctg	tctcaāāāāā	āāāāāāāāāā	agāāāāāāāā	aagāāāāāāā
67921	attcactggc	tgggcatggt	ggctcatgcc	tgtāatccāā	gcactttggg	aggccāāāgc
67981	aggaggatca	cttgagccca	ggagtctcag	actagccctg	gtaacāāāgc	aagacccccc
68041	tttctacāāā	āāatttāāāā	attagccggg	tgtgggtgtg	agtaactgtg	gttccagcta
68101	ctggāāatgc	tgaggtggga	ggattgcctg	agcctgggtg	gtcaaggctg	cagtgcagccg
68161	tgatcatgct	actgcactcc	agcctgggca	acacagcaag	acttggtctc	āāāāatāāat
68221	āāatāāāāgt	tcātccāāt	ccaagatcag	āāatācattt	gatgagcaat	āāāāgggāāā
68281	tgaāactāca	āattctāāca	gagacctttc	āāāatctga	āagatagggt	ggttgtttct
68341	gcctgggact	tcātggāgāā	agagcaācat	ttgāactgāā	tctggāagtt	ctgagttggc
68401	caggcagatg	gcgātggggg	tgggāagggc	āāāggccāgc	acatāatācāc	atgtggcatg
68461	āāggāatgag	acagcttgat	ggattctggg	cacagtgtgt	tgggātgggt	gtgātācāgg
68521	ccacaggtgg	gaagtactga	gagatgāācc	tggāāāggta	ggātāggatc	aggccaagg
68581	tcctgāatgc	caggctgāga	atcccaagt	caatcccaāā	ggccttcāgc	tcacaggāgc
68641	caaggāgtāā	taaggtcāga	tttgttgāāā	agattccāgg	gctggtgtga	agactācact
68701	gtaggāgācg	gggaccāgga	gggcagctgg	ggctātggta	caāgāgācāc	atgāgācccc
68761	ggctgggttg	gagctgcagt	gaggcāggta	ggcatttgat	atātctttta	tcaggggccc
68821	tgatccatc	tccatgtct	tctgāācāg	ccatctcccc	tcatagggtcā	gatcctgatg
68881	cggctgggtg	aggāgāāggc	ccctgcttgt	gtgctggāat	tgggāāccta	ctgtggatāc
68941	tctāccctgc	ttattgccc	agccctgccc	cctgggggtc	gccttcttāc	tgtggācgg
69001	gāccācāgcā	cggcāgcāgt	ggctgāāāāā	ctcatccgcc	tggccggctt	tgatgāgcāc
69061	atggtcāgcc	tccatctcc	ccaāccāgāā	ttttgtcāc	cccāggccct	gccccāgāc
69121	atcccttgtg	āāggāctccc	atctāāggāg	āāggāāgcāc	ctccāctctg	gggāctgtgā
69181	tgctggatgg	tgtgtgāgt	cctgcccctc	tgtcccaagt	catctgcācā	ttattttctg
69241	ccggatgācg	āāgāāācāg	ctaāgāggāā	ggctctctgā	āccāgācāāā	tttgggtcca
69301	gctcttactc	tgctcttgt	tagctācgtg	accttgāgcā	āāgcātgcāt	cctctgāācc
69361	ttāgcttctt	cāgāātggāā	atcācāātāc	tgātccctgāc	ttcttāgggt	ctgāgggtcāg
69421	aggāātgtg	āgāācāctcā	tgggāāgctā	āgcccāggācc	tggcātggāg	tāāggccāgāt
69481	cctgggtggg	tcttgāctgg	gāgāācāāt	ccccccāccc	tcāccctcāg	ctccccctāt
69541	ccccācāgg	ggāgctcāt	gtgggcāgct	cāgāggācgt	gātcccggtc	ctācgcāccc
69601	agtātācāgt	gāgtcgggca	gācctgggtc	tctgggcācā	ccggccācāgā	tgttācctgā
69661	gggācctgca	gctgctggāg	gcccātgcct	tāctgcccāg	āgggtccācc	gtgctggctg
69721	accātgtgct	cttccctgg	gcācccgct	tcttgāgtā	tgctāāgāgc	tgtggccgct
69781	accgctgccg	cctccāccāc	actggccctc	cāgācttccc	tggcātccāg	gātggāātāg
69841	ctcāgctcāc	ctātgtgga	ccāggctgāg	gtccāggccc	āggggctāct	actgātgcct
69901	ācccccāccc	ccāccāāāgc	āgggācctcā	āāātcccctc	cctttctgt	ttggggcctt
69961	gācācācgct	gggctcāggg	ctāgggāgtc	tctcttccca	cctctgācct	ctttcāgcct
70021	ctācāctgāc	ctcāāgtgtc	āāgttctāt	āggctgcttg	gtctcāctāg	gccccctctt
70081	tccāgāgāgā	āccātggāct	gācāgācāgā	āgcctgāgct	cccgācccāg	ctctgtcāct
70141	gātttgctgā	gtgāctccāā	gggāātcccc	āccttgctct	gāgāttāāt	cttctctctt
70201	āācācāāāg	āāgctggātg	ggāgāgctcc	āggggcctcc	cāgttctcgg	cctcāgāāāg
70261	cctcccāctc	tcāgcccāt	ccāttctggg	tgggātccāgā	ggāāgtggcā	atgāgttāgā
70321	cgcctgācāg	gāātāgctgg	atgāāgctg	ggccāgāgāā	āātggcācāg	āāccctggāc
70381	ccāgggcccāg	ggātgcctg	gccttcccta	actctggccc	ācctāgcccā	ttāgggtggg
70441	ctgāgtgccc	ttgāgtgccc	tcttccāāāā	gcccāāāāgā	āgātgtgga	ctcctctggg

FIGURE 4-T

70501	ccccaccaac	aaatagggaa	tagacatggg	tggaaaatca	ctcctttgtc	tttattaaag
70561	aaacttagac	cagacctggc	aatcaagggg	tgaggtactg	gccaggaagg	tggagtaggt
70621	ttcaggccct	ggggatttca	agtgcagact	gatggcctgg	gagggggcaa	agagaccaga
70681	tcctggcagc	agctgaggag	gtgcccaagg	gcactttcag	gcactggggc	catcagctgg
70741	ttctgtgggc	aggggttggg	ggttgggatg	cagggtagtt	tgggctggcc	tggaatctcc
70801	ctgaggccac	cctgccttgt	ctacctagat	catccactgg	tcctgatcct	gttcgttgcc
70861	ttccatgtcc	acctggagag	gaggctgggt	gtgggtgggg	aggggctcca	gccagcctca
70921	gccccagatc	ctgccccctg	ctggatccag	ggtttctgta	ccccctggcc	atcaactggg
70981	tcaggagcaa	gggtccagga	acagaggccc	tccccatac	cccttgccca	cctcattgac
71041	ctctccatca	tccggtgact	cattgtagtc	attcatctcg	tccatgtcct	gcatatcctc
71101	atcatcctct	gagtcctctt	cactatcctc	atcatcttca	tcatcctctt	cttctcgtc
71161	atcatagtgc	tgggtgggcag	gacagagcct	gtaagcccta	caggcctgca	tggaccagtt
71221	caagaactga	cccacttgag	cctctctcta	gggccaatga	atgaccccc	accccgacac
71281	tcctcctctg	agctagcag	gctgtgcat	gttctgcagg	accttaatgc	tagggccaat
71341	gcccacccct	tctatctccc	cttttaggct	tttaccaga	tctgagaacc	acaactgctc
71401	tgggtcagag	acaggacatt	cagaattaga	gcagagcctc	ggtccactgc	ggccccaca
71461	caggccccc	ctgctagag	cactcacctc	tgaggctggc	tgcccaatga	gaaccaggtt
71521	gttgtctttc	tccgcgatgc	tttggagctg	tgggcaaagg	cacagaggaa	caaggccaga
71581	gcccagtag	ggcaggtcag	gggcatggga	ctggccatt	ctgcccagaa	gacaaccac
71641	acgtgttggg	gagaagcttc	ctccagttc	tcagggagat	acaatccctt	tcttgtcatc
71701	tgcatttat	gaacttgatc	caaatactta	aactctctga	gccttctttt	ttttgtataa
71761	ttatgggtgag	gatgaagtga	gagacttatc	agcctagaaa	gcatcatctg	ctagatcctc
71821	aattaatagt	caaaattatt	tcctgtgctt	tagggaaaag	agcttgggct	gagtgtcagc
71881	agcctgggct	ctaactctgg	ccagaagtca	catggtaccc	ctgtaaaata	gggtaccaca
71941	agatgagaac	cttggctccc	tggctcccag	cccattatt	cccagctcag	ggcaaaaagc
72001	tcttctggg	tagatttctg	gagtaaggct	gggtcatggc	ccactgaagg	aggtctctgt
72061	ctgtgctgag	gtctctgtgc	tgtgctagct	gctcactcac	ccaggcctga	tgctgctgtt
72121	cctgctgctg	cagctctgtc	tcttcacac	agggctgatc	cagattaaac	cacagagtct
72181	cagtcacacg	agggaagagt	gaggggaaca	aagtggacat	ggctcctaga	ctgagggaaa
72241	gggtcaagtg	aatgtgtttt	gctttgtttt	tgtttttaat	ttggttgtaa	tttgatttRg
72301	ggataggggtg	gaagacagca	ggaaagcagc	ccctccccct	aggaatcaga	cagacctggc
72361	tttgagtcct	ggctccacca	cttactagct	gtttgacctt	ggctgagtca	cttaacctct
72421	ctgagcctca	gtgtcttcac	ctgtaaatga	gggataataa	caattatacc	actgtcaaa
72481	ttattctgat	aattaagtaa	ataattggatc	aacaaagctg	tttgcaggct	gttcaaggag
72541	ggatgagaat	gggagtcaag	tgtagggata	ggaatccaga	atgcagactg	gcattatgaa
72601	attatacaaaa	attagaggta	gcagggttct	actgaaacta	tcctacctc	ctccacacac
72661	taaaacctgc	tttttgacct	tttatgatgg	ccataccac	acccaccag	gttcagaaa
72721	ttaggacact	aacgacctct	catgaattcac	agccaaatgt	cgggggtggag	ggattgtagc
72781	atatgcaagc	agggttcagt	aagacattct	aggaggcatg	aataagtggg	taaaataagta
72841	gatggaagat	tgaatggatg	aactaacatt	ataagggtag	aatcagcttt	gagcggtgta
72901	gggagccgac	caggagtggc	agataactctg	aattaaactt	aggacagggc	aactgaggcc
72961	cagcgacagg	cagagactgg	ctttaggtca	tacagtgtgt	cggggcttag	aattcctccg
73021	tgaagggat	Ragcaggaga	aaataatcga	tgcttggtcc	tgcttttgct	ttaatattatc
73081	tgaccgaccc	agggccagcc	gctgcccttc	cctgtatctc	agattcccaa	cccgcgtaat
73141	taggcacgac	ggtaaacacc	ctcatgtcca	agaagtactg	acagaccagc	gatctcggct
73201	ccgaaagccc	aacccaccgt	cgcaaagcca	ccgccctttc	tttgctcatt	acgataatga
73261	ccatgcagtt	gaccaacaga	aagaaagcag	ggcgggtctc	agacagaaat	ttggccttat
73321	agggttgcta	aacgcgaaaa	aagcggggcc	tgggtaggac	caattaactg	aaagaaatgc
73381	tgggtgacag	gaagtgcac	caatgaatga	cggaccttgt	gtgacggggt	gggcttagt
73441	ctcgagggaag	cggccaatga	gctggagctc	tttaagggtt	aaggactctc	aatatggagc
73501	tcctggggag	tcgggtcaaa	ggaaatgggt	ttctctgggg	gaaaaaggaa	tgaaggggca
73561	aggagacggg	tgcagccttg	cgtctgtact	taccgcgcgg	ggaggctgct	gccggcggcg
73621	acccggaagc	gcttcaccca	gcctgagcgg	aagaacccac	cagaatccgg	gactcaccaa
73681	acgcatgcgt	ccttcgtctc	cttttgtttt	ccccgctccc	gccactaaa	ccggatgtga
73741	cgttgacctc	ccttagtcac	attgttaggg	aagggaagtgt	gccgcgccta	cctatctgcc
73801	ccSccttgag	tctcagccag	tcggcgctct	catcctggcg	ccagcactac	ggtctcgttt
73861	aaccttgcc	ccgtttaacc	cctgcctttt	tgttgccagt	caccatttgc	ttgttaaccc
73921	cttctgaaga	agagctgaca	gcaacctttt	agtgcgaggg	ccattcgtcc	tgctgcatcc
73981	cagaaaacta	atctgttact	acttcagaat	tgctggttga	tgttaggccc	ctcctatctg
74041	tgctctctca	gctacagttt	cccggtttgag	catattcatt	ctttttttat	tttgctctga
74101	acaaaaatat	tagagttaca	attactatcat	attccaggcc	ttgctagaaa	ctggggataa
74161	atctaggaat	atggctcgctt	ccctggaaga	cctcacagtc	cagggaagcc	aaaccttgca

FIGURE 4-U

74221	gacatgcagt	agacttagtg	gtctctctta	aggttgcttg	ttgagttttg	acattggaga
74281	ttatgtacag	acttgaatga	ctagtttagcc	tcaggcacag	cattctgttg	ctgggggaat
74341	cagctgccct	cctcaggcct	gggccaagta	cacttagaga	tcgccctcgt	cacctctccc
74401	atccttttgc	gatgcctctg	ttctagtaac	ctctgactca	gcttcgcctt	tagagatact
74461	catgctttct	ggcaacagag	gtccttcaaa	cccaattcct	attaaactcc	atcacttacc
74521	agcctctttc	agggacagca	gttatccgca	tttccagta	tgctctggcc	agatgtgtga
74581	gttttgccaa	ttccttttcc	tctctctgga	ctcagcttct	ttgtcaacca	gcatcataat
74641	ctctgcccag	ccttccttct	atcctgggct	gatgtgaaga	ttggataaga	attgttcaag
74701	aggctgtgta	ctgtgcatat	tgaatgtgat	tatattgcca	aatagcactg	tttggtatag
74761	tttttcatta	aagagtaaac	tttgcttctt	ggaaatgact	acctttttca	ttcattcaac
74821	aaatacctac	tgagtgcctt	agtatatgtc	catcactatt	cttagtagtg	ggtatacaat
74881	agtaaacaaa	acagaccaa	aaagtccttc	ttttcatgca	gccttcattc	tgagagaggt
74941	aaacaataaa	gaagatagat	aaataaaata	tgtagttgta	agattgcagt	aaataagaga
75001	aaaaataaat	ctgagaagt	ggaataaaat	atttgagggg	gaggtgtttt	atttcagact
75061	ggggggccaa	agtcactggg	aagtgactt	ttgagtaaag	gtctgaagga	gcagagagcc
75121	ttctgatatt	tgtggaagag	catttcagag	agagagaata	caagtgcaga	gggcctagaa
75181	tgcctgtggc	atagtgctct	ctaggggagag	taataggtag	gagatgagga	tttggttagc
75241	cagtggaggg	ttgtgagcac	agggtccaca	caatctgatt	tacagtttaa	ctgagttact
75301	ctggtgttgc	tccaaataga	ctggggtagg	ggagacaatg	gcagaagcag	ggagaccatt
75361	tgggagccta	ttatgataat	ctagaggtag	tggatgagaa	gtggttgaat	tctgaattta
75421	tttagatggt	agagactaca	aggtttgcta	acagatggac	aatgccagaa	taagaaagga
75481	gccacgattt	ttgggctgaa	cgactagaag	attggtgttg	ccactttttt	gagttgggaa
75541	ggaatgggga	ggtgatgagg	ggtttgggtt	ttttttgaca	gggagcttag	gtttgagtgt
75601	gttgagtctg	agatgcccat	tagagtagag	atgttggggc	ggcaggaagg	catatgagtc
75661	tgcaggtcag	ggcagagatc	tgggctggat	agatcatttg	ggagtcatgt	gcatgtagat
75721	ggtgttttaa	gtcatgagac	tggatgagat	caccaaggga	gtgaatgtag	ttggaaaata
75781	gtttcctcca	atattcagaa	tttgaggaaa	ctaggaaaag	cagcaaacca	gatggagaag
75841	gaaggccaaa	aagataagta	gaaagctggg	tgagttgatg	gtatcttgga	agccatgtaa
75901	agaaaggggt	gtaggagaaa	atggtttact	gcagcctcat	tctgtacaaa	attgtgggtt
75961	tgtttatttc	cccaacagac	catgagctcc	ttgagggcag	ggactgaatg	gttactatgt
76021	cccaggggcc	cagcatgacc	ttctcctgga	ttcctcatct	tccttctgtg	acctgtgtct
76081	ccatcagttt	ctcctccggc	atctttttct	tacaggattc	ttacctcagg	taccatttgc
76141	ccgctccttc	ctgataattc	cgcctctctg	aaattcccta	gtaacagagt	ttcttttcag
76201	ggtcatcagc	caggctcagt	aagtaatgat	gactgggttag	ctggtgacat	ttattgagta
76261	ccaactgagt	gccagacacc	tttctaggcc	ctggggacag	aggggaagca	gaaataattc
76321	ctgccctaga	gaaaaataga	gtatagttag	tactaagaca	attatagaca	attatagagg
76381	agggtaataa	atgttaaaat	caatgtttgt	agagaataca	tgagaacaca	gaggaggtt
76441	tgatgaatgg	gttctgaaca	aactaagttt	agacttttgt	tccagaaaag	gaaacatttg
76501	agtgggcctt	gagggatgag	taggagttaa	gccactgggt	aaataagtag	gaaaagaggg
76561	tgcacaaaga	ggcatatttc	attcaagggc	atgtttggag	aacattgaga	atctggggag
76621	aactagatat	gtggagtgga	gaaagatgag	aaagaatgat	aggggaccca	gatagggaag
76681	gtctttgggt	gccctatatg	gagtggtatg	gatgggatct	gggcatcttg	ggtctcacct
76741	ttgtcttatt	gccgacttgc	tggggacccc	aggtagatgt	ctccccattc	acaagcttcc
76801	gtgttctcta	acataatatc	taaccatgtc	gccagctctg	atgtgagtc	ctggaaggga
76861	ttcccctagc	ttgatccttt	ccattcttag	atttttacat	ttgccttatt	tgtgatttat
76921	acaaaccagg	gcctaggaat	ggaaagcagg	gtcaggatgg	agattttctca	acagaaatca
76981	ataaatccag	agcccagagg	ctgaagatgg	aaaccatgat	tctatgcaga	gaattctcta
77041	ggatccagga	agggccagag	ttgagtgggt	tgaattcagt	gctagtgaag	gctgcttact
77101	cattccttcc	ataaaccttg	aggagcatgg	ctgaccctgg	taggggacag	gggagaatgt
77161	aacagtcaca	gtcactacct	ttcatacata	tggagggata	gttggtctcc	agagagtttt
77221	cccactcata	gtctccactt	atccttagcc	cagccctggg	gattctgcct	tcatttagca
77281	gatgaggaac	ctgaggctca	ggaaaagtaa	gcggcttgct	tgagttgaag	ctacaactca
77341	agaatgtcaa	aatcttgcat	tgttcacaaa	atcttctcta	tgggctgata	tgtgcttgcc
77401	gatggggact	cacagaggaa	ttcgatttga	gtcctagtcc	tctgcaacta	cccagtatgg
77461	tgtggatacc	agactaacgc	aagtcattag	gcccttgagg	ccagatctct	gtgtgattca
77521	tctgtatttc	cccggcacct	tgcacagtgt	ctagcacaga	gtagccactc	aacaaatggt
77581	tatataagat	gggttttttt	ccttgggtct	aatggaaat	tagttcacgt	tagtaatggt
77641	ataacaggga	taggtttctaa	aaagagaaaa	gtgggaatgt	taaaaagtga	agagcagtg
77701	gggaggggag	gtggagaaag	ctcctcagag	aagatgagac	cttgcaagag	gagttaggaa
77761	agaatattct	agtcaagagc	agacagcatg	tgcagaagt	cagaggcctg	aaaggggtg
77821	gtgtgcccag	gacatggcat	tgaccagggg	cctgttgtgt	ggccatcgta	gtgatgtgca
77881	ctgtgaaaaga	aacaggacca	ggagacagta	ccctgtgctc	aaaggacaag	gcacagcctt

FIGURE 4-V

77941	ggaggaggac	agggacatgc	tgagaaagcg	ttccttgagc	aggggagact	tctgctgggt
78001	catgaaggat	gcttcatagt	tcgagtcaga	gaggaggaaa	gaggaaacct	cccagggtgtg
78061	aggggcctcc	ttaggcaggg	gctgtggttg	gaaggataaa	ggagaatgcc	caggcaggag
78121	agcatggtgt	gtggagggca	ggctgggtcg	gtgggagggg	ctgcagagct	ccactgggtg
78181	ggctagctga	gggagtgcac	cttagcgtgg	agtataaggc	ttgttctgcc	tcatggtcac
78241	tcaacacctc	atztatttcc	catcattgtg	gcctccctgg	acctgactct	gagtttggga
78301	tggatagatg	cgttgggaagg	gatctctgtg	aattatcttc	cagttcccta	gaaagccagc
78361	cccaggagag	gtgctccagc	caggtcccta	tctgcatggt	ggttttgcgt	atgtttgcct
78421	accacaaata	tatggttaagg	tttctcact	aaggtttaat	gggctaaggt	ttcctcactc
78481	tgactacagc	aaaatagatg	caaagtgttg	agagaggccc	tctgcattgg	aggcaaaaggc
78541	tgaggagaca	cagacctaca	cacacacaca	ccccccctca	cttcatatga	gaggtggtag
78601	gcagaatgaa	ggctccctgg	agatacccat	gtcctaatac	tatggtgtgt	atcctacctg
78661	gcaaaaggga	ctttgcagat	gtgattaaag	ttaaggactt	tcacatgggg	tgattatctg
78721	gggtgggcca	atctatttac	atgaattcctt	aaaatcagat	aaaactttcc	cagctgtggt
78781	cagaaaacaa	gacgtgacaa	ggaagaagca	tcagagagat	tctacattgc	tgactttgaa
78841	gatggaggaa	agggccatga	gccaaggaac	acaggtggcc	tctagaagct	ggaaaaggca
78901	aggaaacgga	ttctccccta	gggctccag	aaagacctac	tgtcacctta	attttttttt
78961	aatttttttaa	tttttttgag	acagtcttgc	tctgtccccc	aggctggagt	gcaatagtgg
79021	gatctcggct	cactgcaacc	tctgcctccc	aggttcaagc	gattctcctg	cctcagcctc
79081	ccgagtagtt	gagattacag	gcgcccacca	ccacaccggg	ctaatttttg	tatttttagt
79141	agagacgggg	ttttgcatg	ttggtcaggc	tggtctcgaa	cccctgacct	caggtgatcc
79201	gcctgcctca	gcctcccaaa	gtgctggtgt	gagccaccgc	acccggcccc	tgacacccta
79261	aattgagacg	catgttacac	ttgtaacctg	cagaactgta	agttaataag	cttgtgtgtg
79321	ttgctgggca	cagtggcaca	ttcctgtagt	cccagctact	cgggaggctg	tgatagggtg
79381	gttactggat	agtgcctgtg	aatttcaggc	tcttggtgtc	ctgaacaaag	aactggacca
79441	gacacacaca	gatattaagc	acagtattac	actcttagag	ggggagagtg	gactgacctc
79501	tggcagatga	gatcaacatt	agttttgtgt	actctgggtc	tttgtgtgtg	tgtgtgtgtg
79561	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgttctct	tcccaaggct	gcctaactct
79621	tagccagtgt	ctgccttttt	gattgataga	tgtgttgctt	agttactttg	gccctgtgtg
79681	gtcacctcca	tcccataatt	ttaagtacat	gagtgatttg	cagtccatat	gcatgagctt
79741	caatgagcta	attaccaaac	ggggtcattt	taaggatact	ttttctcttt	aatgtgcatg
79801	cccatctctg	aggagctgcc	cgcaacaggt	ttgggtccgga	tttagcccat	atgggggctt
79861	ctttttcact	tttgttttgg	ctgttctggt	ttttatctcg	cttcttgctc	acctgccctc
79921	tcacctggct	tctgctccct	cgttttactc	attctgccct	tgatccaaat	tttaattccc
79981	tttgctattc	tccgtctgta	ttttccctct	tcccctgctt	caggaggatc	gcttgaaccc
80041	tgaagtttgg	gaccagcctg	ggcaacagag	cgagaccttg	tctcaaaaaa	caattaatta
80101	attaatttgt	gttgttttaa	gccacttagc	ttgtggtagt	ttgttatggc	accaacagaa
80161	aacaaatgca	caggtaacac	cgatatccct	cccaccctga	tagacaacca	cagtcataca
80221	cgctcaggca	gatacaggca	gggagaccca	ggaacatcag	ctggccctaa	gtgggggctg
80281	gggagaaatg	aagcttcagg	tgtgtgtctg	gggggtgggtg	gtaaggcctg	ctccttggtg
80341	ggtgtggaga	aactttgacc	acattttctca	gtcttaactt	tgctctgtgt	cctctcagtc
80401	cttacgtcat	acttttagca	acctttacaa	caacattttg	tcctaaaccc	tggtgcaaat
80461	acatgtatga	acctcaaaga	ctatatatta	aatgaaataa	gccagtcgag	aaaggacaaa
80521	tactgttaga	ttccactttt	ctgaggttcc	tggagaagtc	aaattcagag	acagaaaata
80581	ggatggtggt	ttccaggggc	tggggagtag	ggagttatta	ctgttttggg	atttttttgt
80641	ttttacagat	atcctgtttc	tacttaagaa	gttattaccg	ttgtcaagct	gggcatgggtg
80701	gctcacgcct	gtaatcccag	cactttggga	ggccgaagtg	ggcagatcac	gaggtcagga
80761	gatcgagacc	acgctgaaac	cccgtctgta	ctaaaaatac	aaaaaattag	ccggggcgtgg
80821	tggcgggtgc	ctgtagtctc	atctactcgg	gaggctgagg	caggagaatg	tcttgaaccc
80881	gggaggcgga	gcttgacgtg	atccgagatc	gcccactgca	ctccagcctg	ggcgacagag
80941	ccagactccR	tctcaaaaaa	aaaaaaagag	ttattaccat	tgaccatgaa	caacacaggt
81001	ttgaattgca	tgggtccact	aatatgtgga	tttttttcaa	tcacagataa	aaaatacagt
81061	attcagaggt	tgcgaaaccc	acatatatga	aggggtgggac	atcagtatgt	gtggatttgg
81121	gtatgggggg	ctcctgggaa	caatccccta	catctgttga	gggaggattg	tatttaattgg
81181	atacagtttc	agctggggaa	gacaaaaagt	gttctggatg	agcctgggtc	tggtggctta
81241	tgctgtaat	cccaccattt	tgggaggccg	aggtggggagg	attactcgag	cacaggagct
81301	caagaccagc	ttgggcaaca	tggcaaaact	ccatctctac	caaaaaatac	aaaattagcc
81361	aggtatagtg	gtgtgtgtct	gtgtgtccag	ctacttggga	ggctgagggtg	ggaggattgt
81421	ttgagcccag	gaggttagagg	ttgcagtgag	acaagatggg	gccattgcac	tccagcctgg
81481	gtgatagagc	aagaccctgt	ctaaaaaaaa	aaaaaaaaaa	agagttcttg	atggattcac
81541	aacaatgtga	atgtacttaa	tgtgagtgtg	ctgaactgga	catgtaaaaa	ttgttaaaat
81601	gataattttt	attatatgta	tgtgtgcaca	attaaaaaaa	aaaacaactt	gtagattagg

FIGURE 4-W

81661	caccattttg	gagaatgggt	tgggggggagc	ctccagtcga	acttccccac	tgcagtgacg
81721	ctggaaactc	agtaactggg	tctctgacac	ctccccgcca	ctccccaccc	agtgccacat
81781	atccccatct	ccatgcccca	ctccagtcga	gagccatcta	tgccttgggc	tactgcaata
81841	actggctagc	ttccccgccac	accacttcaa	accatactg	gctgcctaaa	acctttccct
81901	ggcttcccat	tgcttttagc	ctgtgagttg	aagtccttgc	caggcaagat	ctgcccctgc
81961	cttcctgtcc	accctcatct	agagccaacc	tcgtccttgc	tttctgcacc	ccaaccacac
82021	cccaacagtt	ttgcagatct	tcagaccac	taaaacatgt	tctgcctcag	ggcctttgca
82081	caatgctccc	attgcctggg	actctgtcct	tcttctttac	tgggtcagct	ccctccRttt
82141	tgggtctcaag	agagggtcccc	cctgcagatt	agctctgggt	caaggagcac	tcttccatag
82201	catcttctct	tttccctcatg	gcattctcacc	taatacatat	actcacacac	acatttatgt
82261	gtgtgtgtgt	atatgtgtgt	gtatatatat	aaaacatata	ttttatatat	aaaatatatg
82321	ttttatatat	ataaaatata	ttttatatat	aaaaaatatt	ttatatatat	aaaacatatg
82381	tttatatata	tatatataaa	gtatggtaaa	atatatgtaa	caaaaaattt	acaattttca
82441	cccttttttt	tggaactga	gtttcactct	tggtgcccag	gctggagtg	aatggcgcg
82501	tcttggctca	ccacaacctc	cacctcctgg	gttcaagtga	ttctccacc	tcagcttccc
82561	aagtagctgg	gattactaca	ggcacgtgcc	accatggcct	ggctaatttt	gtatttttag
82621	tagagacggg	gtttctccat	gttgggtggg	ctgggtctca	actcccgcac	tcaggtgatc
82681	tgcccacctc	agcctcccaa	agtgtctggg	ttacaggcat	gagccactgc	gcccggccaa
82741	ttttagccat	ttttaaatgt	acagttcagt	ggcattaagt	acattcacat	tgtgtgtaac
82801	catcactaca	tccattcccc	agaactctca	tctttcccag	ctgaaactct	gtaattaaac
82861	agtagctccc	cacccagcct	ccccaaagcc	ctggcaccca	ccattctact	tagtctctat
82921	gaattttttac	tactccaggt	accttaaatg	gaatcatata	gtatttttct	ttttgtaatt
82981	ggcttatttc	acttagcata	atgtcttcaa	agttcatcta	tgaagctgtt	gttgcattgt
83041	tcagaatttt	cttccttttt	aaggctgggt	aatagtcatt	tgtacatatc	acatgttgca
83101	tatccattca	tcttttgata	aacatttgga	ttgtttccac	ttttgggcta	ttgcaaatag
83161	tactgctata	aaaatgattg	aacaaatacc	acctatttta	actatacatc	taattgtgtg
83221	cttattcggt	taaattgtgc	ctctcttctc	catctctggg	catcacaagt	gttcaccagc
83281	atatacctcag	cacccagcac	agtaactggg	catcagatt	caacaagtat	ctgttgaatg
83341	aatgaatgag	acacccaaaat	atacctactg	gacatataca	gtgtctgtag	tgtgtaagg
83401	agagcagagg	acttgaatct	ggggcccagc	tcattgattc	ctcattgcgt	gctctgacct
83461	tgaccaaggc	ccttcacctt	tgtaaaccaa	agagtatctg	agacaaatct	caaccaattt
83521	aggaagtttg	ttttgccaag	gctaagcatg	cacccatgac	acagcctcag	ggcgtcctga
83581	caacatgtgc	ccaaggtggg	tgggggcacag	catggtttta	tatattttaa	ggagacatga
83641	gacatcaatc	aatatatgta	agatgtacat	tgggtcagtc	tggaaaagtg	gaacagcttg
83701	aagtgggggt	gggggtcttc	ctggctcatg	gtagttaaga	gataaccatt	tgcattcttt
83761	tgaagtttctg	gttagccttt	ccaaaggaag	caatcagata	tgatatgctt	ttatctcagt
83821	gagcagagag	atgactttga	gttctgtcta	ttctttgtcc	acaaattatg	aggaaggtgt
83881	gtagtttttt	ttctttttaa	tcttagtagc	tatttttctt	ggaatagaat	gtgagggcag
83941	tttgccttaa	gcagttctca	gcttgactat	tccgttagta	attgacttgg	tcttagtaat
84001	tgaacttttcc	catagtaatt	gacttgccct	tagtaatttt	ggggccctaa	gatttatttt
84061	cctttcacac	cttcaaacct	cagtttcccc	atgtgtaatg	taggggcact	atcagcccca
84121	cagagttctt	gtcagggtca	aacgaataca	tacatgtgat	aagggtcggc	ttctgaccca
84181	aggaactgct	cagtgcacta	atctagaggc	cttgatctaa	gtactgaggg	agagaggagg
84241	ctccaactgg	gggagctgac	tgactggatt	cgaatccagc	ccaaggtctg	ttacccatcc
84301	tctggggacc	ttggctctgt	attcatttcc	tgtagctgct	ataacaaatt	actacaaact
84361	tcttggctta	aaccacacag	atttgtatc	tttcaattct	gaaggtcaga	agccataaat
84421	caatgtgtca	gcaggactac	attccttgtg	gaagcttcca	agaacaatca	atttccttgc
84481	cttttccagc	ttccagaagc	cacctgcag	cctgggctgg	tggcctccct	tccttgtgtc
84541	cctctaacct	cttgtttcca	cctttatgtg	tctactact	ctctctgagc	tcctgcctcc
84601	ctcgcatcag	gattacatca	agtcattcca	gaaaatccag	gatcatctcc	ccatctcaag
84661	acccatttct	taatcacatt	tgcaaatgct	cttttgccat	ataaagtagc	attcagatgt
84721	tcagagagatt	aggacgtgga	cacaggtacc	atctctctcc	catgtggggc	tcagtttgca
84781	ttttaggaaa	ataagagcat	tggtcatgcc	ctgtcctccc	tgtcaccctt	gctctgtgga
84841	gttctacctg	aggcagggaat	attgggtgga	ggccagaggg	ttgggtcctg	ctgcctgac
84901	taccctagca	cccaaattct	cacaatcttg	tcaccagcag	ttatagcccc	agggcctggc
84961	tgtcccccaa	cccggtgtcc	agtgccccac	tggtcccttc	catttctctg	gtgcttctga
85021	ttcaggactt	tttcttgagc	ccttctactg	actcacaaga	gggggtgcc	gtttattcag
85081	ttcaccacgc	tcaatctctt	gcaggaggga	gcacatgagt	gagtgaagtc	aggatctggg
85141	tggctgatcc	aggtgctggc	agcagcaagc	tccatgcagg	gccctcggcc	agctcagatg
85201	tgagcgagca	agggcaggat	ccagccgggt	gctctgggca	ctggcaggag	aaatctccat
85261	gtggggcctg	cggcagtgcc	caggtggggg	tgcccatgac	ccctaagccc	cagagggagt
85321	attacagtgc	tctcctagtt	ctgctgtcca	tggacggtgg	tgtgttagca	gctcagttgg

FIGURE 4-X

85381	cccttgc	at	cgctcat	gg	ggtggtg	gcc	ctctgcc	agc	aagggcaa	agccagt	gtg
85441	acagcctt	tc	tgggtac	cca	cacttgg	tgg	gtcccga	gcc	cttggcca	gt	ccaaga
85501	aatgaggt	t	g	cagaca	at	tgaaga	atga	tgaaggt	gga	gaat	tttatt
85561	aacagctc	tc	agcagaa	agg	ggagct	ggag	aggaaa	cagg	aagggcc	agt	catctt
85621	cgaagtc	agg	ccatctc	ttc	tgtatgc	cag	ccatctc	ttc	ctcaa	agtc	ggttgc
85681	tcgaagtc	cca	gccatct	ttc	catctac	tga	ctgagtc	tg	ggcctt	tata	tgcacag
85741	ggggagt	gca	tgctgat	tgg	tttgtg	agta	tgcaaa	acag	gttaa	agtga	agacatc
85801	caaagat	ggg	catgac	agt	g	tagaaa	acca	attagga	aa	ggtaa	gtata
85861	gtgaagg	gtg	gggatca	atc	agaggaa	agc	acaaca	aatg	ggaaga	caag	tcttca
85921	ggtctga	gga	tttagct	tgt	agctt	ggctt	tcaggc	ttta	aactgg	cttt	ggcttg
85981	tggggtt	tca	ccaggga	acca	gtccct	tattt	gcctag	gcat	ttggc	tg	cctgtc
86041	tcatttcc	ccc	ctctga	aag	gtaca	actac	ctgtt	gttag	aata	aggga	aagaca
86101	taactact	tc	ctgctga	cag	gggatg	ctgt	tttgag	caaaa	cagca	atcag	agctcc
86161	gaggccta	tac	taagcgt	ccc	agggtta	aagg	gagcca	tc	caagg	ctct	gttcgga
86221	tgatggc	ctc	taagtga	gaa	gaaacag	ttt	gggttat	tag	atga	catgga	tcaaaat
86281	acaaca	agga	ggttaa	agaca	gctcaaaa	at	cccaag	tctg	ctga	catg	ccagata
86341	gtgaggt	atag	ttatgc	ctgc	taagatt	ttgg	atgc	atggtg	cttgg	ctttg	ctccc
86401	ttgttttc	at	tttccca	aaaa	aaacct	ccag	attatg	agca	ccaca	tccta	tttactc
86461	tcagctg	cag	gataatt	ggc	cagaact	taga	atattg	at	at	ttttac	attaccc
86521	ccctctat	tt	ctctga	gct	acaacc	agag	atcact	agtt	ggttc	acag	gataa
86581	attaatc	ttaa	aatgtag	gca	aaagct	taaa	aacaact	gaa	actaga	aat	aatgaca
86641	gtatgata	aaa	ttttgaa	aca	taatttt	ct	ctctcc	agtc	ctcatt	ttctg	ttaaaa
86701	accatga	tag	gactga	gtt	tttgc	aaaat	aaactt	tagt	cttata	ctttg	gcctgg
86761	ttgcata	aa	ggcagca	aga	ataatc	at	tcacata	ggc	ttttaa	aat	ggctttg
86821	gaactct	gtt	tcacaag	gaa	tctcag	gtag	gacctt	ttaa	agctg	agctc	agccatg
86881	ttgtacc	ctc	aaatac	cttat	gagtt	gggta	aattct	ttctt	ttctg	aggt	cccagata
86941	acagggc	tct	tgggcct	gtt	agaaa	atgac	attctc	tact	caccac	aggt	taggaac
87001	gtccagg	gac	tgtgtag	aca	aggat	gagg	ccagtt	ttcc	caagg	ggatt	ttattgg
87061	tgcaagt	caa	gcttgat	tcc	ctaaa	ggaaa	gcatacc	att	ccagt	caaaa	ccttggt
87121	ataacc	gggt	tctccag	tta	tatcct	gctg	caaaag	aaaa	tagatt	ctta	ttgca
87181	gcaaata	act	atattg	ccat	aagtt	aagaa	tatttg	caaaa	tagttt	ccaa	attctag
87241	aaccagg	cag	agagaaa	tat	gctcc	aaatt	ttcttc	acag	gagtata	acct	tactca
87301	ttaaagt	ctg	tagatag	ctc	aaaaga	agtt	tccttg	actc	tgga	aaaaac	aaacaa
87361	tcagca	atgt	tttaag	caaaa	aagtt	aaaaa	ggattac	ttc	agttt	cttat	tagttc
87421	tattcag	tta	actctg	tgtc	tgctt	gat	tcagg	aga	at	tcagct	ctct
87481	gtatgt	tttt	cctctg	ttcc	aatgtc	acaa	tctcca	aa	catcaga	aa	ctgcatt
87541	gggcac	cttt	aaaagtc	caa	tagctg	tcca	caaatc	atct	ttgaaa	agg	gtcaaaa
87601	gacaaca	att	gtctgt	gaat	gacaaa	atat	ccttgg	gtag	tcacag	tcaa	aaacaca
87661	gacaa	agaaa	tttgtt	tttt	ctctgt	gggt	taca	ataact	taaca	caata	acctta
87721	ttactga	tag	catata	ctca	gacatt	tgag	ttttag	aa	ccata	caat	taggcgg
87781	accatgg	ctc	atgcct	gtaa	tcccag	cact	ttggg	aggcc	gaggt	gggtg	gatcatg
87841	tcaagag	atc	tagacc	atcc	tggcca	acat	agtga	aaccc	tgtct	ctact	aaagtaca
87901	aattagc	tgg	gcatgg	tggc	acatgc	ctgt	agtc	ccagct	actcg	ggagg	ctgaggg
87961	agaatcg	ctt	gaacc	ctgga	ggcag	aggtt	gcagt	gagcc	aagatt	gtgc	cactgca
88021	tagcctg	gta	acagcg	caag	actctt	ctc	aaataa	atcc	cataca	attt	tggaac
88081	attaata	tta	ttcact	aaaa	tatacc	ctga	agaa	agtc	acatt	at	tattttg
88141	atcccat	gta	actaa	atgtg	ttaaa	ataatc	ctgtt	tac	ctctt	ttgga	tgctcc
88201	gccttc	agta	gcatcc	aaaa	gttag	gggtt	agaaa	agaca	acctt	ga	aggtttg
88261	atttggg	aa	tctatc	aaac	acatt	aaaga	tttaaa	acac	ttatt	at	gaaatag
88321	tccagat	cac	cataag	ttat	ttattt	tagc	caaa	atgatg	actc	aaaaat	tttaaa
88381	ggcaaaa	acc	tttcatt	tatc	ctttat	tatt	acatg	aaaat	cttct	tcgag	agaaagt
88441	atttcac	cct	tgcatt	gtaaa	tccatt	ttca	gtagt	ctcaa	ttacat	gttg	taagtga
88501	tcttag	caat	tttta	at	aatgt	aaaa	ctgg	taagtt	tttt	taatta	tgtact
88561	acagata	aa	tctgact	ctt	tacaac	atag	ttaat	ggtgt	ggta	aatcca	tatgac
88621	gaccta	tacca	aattgt	aaag	ctggc	aa	agc	gttct	caaa	agccaa	agaagc
88681	tataac	ctta	caacatt	tag	caa	acctagt	atctg	acctg	cataca	cttag	accacat
88741	ttcaatt	ttga	taacatt	tgt	atttt	acaa	ttatct	tcaa	aattg	tttt	cttctc
88801	gattaa	agtc	acatga	acta	aaagg	caata	cagct	ttt	gtt	cttca	aaaaat
88861	gatcta	agca	cttatt	tttct	ttaa	gcaaat	tagag	ctctt	tttt	tata	aacatc
88921	acaaata	aca	catatg	tgat	tacac	agaca	gaag	attcag	tagtt	gtaag	at
88981	tgcca	atctc	ctaatt	ggat	tattg	gcctc	aggg	tgga	gc	agag	cttag
89041	gaaagc	atgc	agttt	ccagg	gccta	ataaaa	cagg	catagc	tgga	agacaa	aaacag

FIGURE 4-Y

89101	tgaagggggt	ctatctgctt	ttaattcctg	gggttctata	agaaaaacag	agtttttttt
89161	tttttttcca	aaatgggatc	cgtggtgact	tctctgtttt	tccaagggtg	tcttatgctc
89221	tcagaagtta	tcttagggcc	tctcatgcat	gcgttaagag	tgacaagaca	aattggggaa
89281	aaataattca	gttgactgag	aaaaaattgt	tttgcaagaga	aacaagatcc	atgaagaaaa
89341	aaacacaaag	gccttttaaa	tatacctata	gcttggtat	ccacttttaa	ttaagctgag
89401	cactctttta	gataaccctt	ttaaatccct	tagtacccaa	cttagccat	gccaagccac
89461	gaatatttct	ggcttttgaa	ctttaccatt	tctttcaaca	ttttgcacag	ggagagagag
89521	gccagaggcc	cgactggcag	aaaactttta	cccttctgtc	cacatgttca	caattctttc
89581	cccttctcac	tccatcctta	ttccactctc	agccttctc	atctcagtaa	atagccaagc
89641	actcctctct	aattgctcag	accaacacac	tctggagtca	tcctaattcc	tccctttctc
89701	tcatgtcctc	catctcagca	aatcctatca	aaacatcctt	caaaagacat	gacattactc
89761	ctcccttttc	accacgtcca	ctgccaccac	atagccctgg	ttcaagtcac	ggttgcctta
89821	aggctgggcc	attcacatag	acatctgtgt	caattgtttg	ctttcccttg	tccctagagt
89881	cagatcagat	gctgaactgg	aaaaagcaaa	ttaaagttcc	atttcattca	gagtaaaatc
89941	ccccatcttt	gctgagctcg	aaccacgggg	ccctgaagat	ctggcctgga	ccccacactc
90001	gccgctccca	gctcactgct	ggccacactg	gcctcctcct	cgctgtttgt	tcctgaaatg
90061	cactcagtag	atttttgtct	cagggccttt	ggagctacgg	gtccctctgt	ctggagcagc
90121	ccttctctcca	tgttcacatg	actcccttct	taacctatta	tggtatcagc	ccaagcatca
90181	cctcctagat	ctttcctgta	gaagatagta	gccctctgtt	catcactctc	tgtcccctta
90241	gcctgcttca	gttttcttca	gagcacaatc	atcatcttta	tttgttttct	gtcgtctctc
90301	tctaacaacc	tcccaccccc	aaactagaat	gtcagctcta	tgacagttag	gactttttct
90361	tggtcacttc	tgtagctcta	gaaccagaaa	cagcctagca	catggtagat	gccaataaac
90421	taattctgag	cttagttttt	gaatgaatcc	ccacttctac	cctcctggtc	aaggcaccat
90481	catcccaggc	ctggacttgt	gaaacagctt	tctaactggg	ctaccttgcc	caattccagc
90541	ctacacgtaa	tcccatctga	acacaccaag	actgccaat	gaactgtgac	atccccctgc
90601	ttaaaactct	ttcactgtga	ccagttgtag	aaacaacatt	ttgtttatcc	atttatccat
90661	ccgtggacac	ttgggttgct	ttcaactttt	agctatctgt	aattaatgct	gctgtgaata
90721	tgactgcaca	gatagctgtt	tgcacccctg	ctttcaattc	ttttgggtgt	gtgcgcacaa
90781	gaggaattgc	tggtatctta	ggtaattcta	tgtttaattt	tttttcacag	catcttgacc
90841	attttacatt	ccccctccac	tagatatgtt	attatataca	aaggtaggag	gctatacaag
90901	gacattccct	acagcattga	ctataacagt	gaaatatgag	aagccactta	aattcaatag
90961	aataatgaaa	tagaatcata	tagatctatg	tacacagata	agggaccatc	tatagtacat
91021	tctgttaagt	aaagcaagca	aagtgcactg	ggcacagtgg	ctcatgcctg	taattctagc
91081	actttgggag	gctgaggtgg	gaggatcact	tgagcccaag	acgtcaaggc	tgctatgacc
91141	tatgattatg	ccactgcact	ccagcctggg	tgacagagag	agaccctgtc	aaaaagaaaa
91201	agaaaaaaga	aaagaaatca	aaatgcaagg	gaattagggg	ttattcttct	tcctgaggag
91261	tggtgccatg	gcattccagag	aaagaacatt	ggtggggata	ctgatgaaaa	agaataaagt
91321	ttgtagatta	gttaaaaagta	ttcccttaat	gttaatttcc	tgatttttta	agtaattggg
91381	ctttggtttt	gtcagatgcc	aacatttggg	gaaactggat	gaaagcatat	gggaaacctc
91441	tttactactt	ttgcaatttt	tctgttaagt	ctaaaattat	ctcaaaacac	taagttaaga
91501	aaatcaaata	aacttgatgt	cttaaaacaa	taccaattag	gctgggcgca	gtggctcatg
91561	cctgtaatcc	tagcaatttg	ggaggctgaa	gtgggcccgt	aacctgaggt	cgggagtctg
91621	agaccagcct	ggccaacatg	gtgaatcccc	acctctactg	aaactacaga	aattagcctg
91681	gcatagtggc	atgtgcctat	aatcccagct	acctgggagg	atgaggcagg	agaatcactg
91741	gaaccggaag	gcagaggctg	cagtgcactg	agatcacacc	actgcactcc	agcctggggg
91801	acagagcaag	actctgtctc	aaaacaaaaa	aaaacaaaaa	cacaataact	atttacttat
91861	acttcaagat	tttgtgagtt	taattatact	tcaagatttt	gtgagatttt	gccaagaagt
91921	ttgggcaaga	ctcatgattg	gcccactctg	gccgggctgt	gtggctcacc	cctgtagtc
91981	cagtattttg	ggaggcctag	gttgagggat	tgtttgagcc	caagagttag	agaccagcct
92041	gggcaacatg	gcgaaacctc	ctctctacaa	aaatacaaaa	attagctggg	cgtgggtgtg
92101	cgtgcctgta	gtcccagata	ctcagggagg	ttgaggctgc	agtgagccat	gatggtgcca
92161	ctgcaactcca	gctgggggtga	cagagtgaga	ccctgtctcc	taaaaataaa	aaataaggta
92221	aaataaagat	tggtccatct	accctcaaca	gttgccctgga	ctccctgggg	ctcagtgca
92281	ctagatgctg	gactcggata	accatctgat	ctttgatgta	gtggacagac	actttgttct
92341	tgccatcatc	tttggtacct	gagatagaaa	gccttaaaga	gaggccacgc	ccatgattaa
92401	gtttcaggtc	aaaacaacga	gcaaaaaggc	aacggctata	gttgtaggtg	tagcaaatca
92461	gtgtgccttt	tatctagagg	ctactgaaaa	ccagacattc	attaaaagata	tcttggtcac
92521	ttggatgaag	gctggccttg	gcattcacct	gaatctttag	tagagtcttt	agcaccattg
92581	gcaactcagc	cagacctggc	cttgccacag	atagtgagag	ctgggattgg	agggcatgaa
92641	ttttatgaag	cctgtaatat	cagaaattcg	ttggttgagg	acatacctct	ttctttttgg
92701	accctgtggg	cgtaatgcta	ttagatcatg	tgacagaggag	gaattaatat	gactgtgatt
92761	gacagaataa	ttatgaagtg	caaagacctc	agatctgtga	tcagcttcca	tagaagtatt

FIGURE 4-Z

92821	tgctcagaag	cttctcagaa	acattctcat	gattgaagaa	gccttgaaga	gcccgtattt
92881	ctgtctatga	aatctcctgt	ttattgtaçt	atgaggaccc	atcagaaagt	aactgaggta
92941	gtgctgattt	cctgagcaat	tattcagtc	actgtctcaa	atccatcatg	cagaatgttc
93001	acagagggtg	aagtaagttt	gactattata	actactcact	tttataagt	atttaattta
93061	aagatttaata	tgataagtac	tctgtttttc	ctgggaattt	tggtgtagaa	agagtaactg
93121	ctgtgtggct	aaactaaggt	tataagccaa	attgtttcct	cagagttaa	gaaacacaat
93181	actaactctc	atgggtttac	tagttgtctg	ttgctgcata	acaaatcatt	ccataatttt
93241	gtggtgtatt	gctgcagaca	atgttaaact	aagtggatga	aaaggatatt	cacatagtct
93301	cagagtgtct	ccctacaagg	taggattact	aacaaaggga	aactaataat	tatatagtaa
93361	ggaaatctcc	ttaacccaat	aatcaccagc	aataagatgc	agcaaccctc	atcatgtacc
93421	tcttgatatg	atgcactgac	aaaagcacct	ctcttctcta	attttcttgc	caaaatgcat
93481	aagctcaagc	taattacag	aaaatataga	caaaccctaa	ttgagggaca	ttctgcaaaa
93541	taactgaaca	gtaattctcc	aaaagtgtca	aggtcataaa	agacaaagac	attgaggtaac
93601	tgctcacagat	tggaggggaga	ctaaggggac	atgacaacta	catgcaacct	ggaatcatgg
93661	actgaatcct	gggccagaga	aaggacattg	ggggggaaac	tggtgtaaag	ggcataaagc
93721	ttgtagatta	gttaacagta	ttgcctcaat	attaatttcc	tgattttttt	aagaactggg
93781	ctttggttac	ataagatgcc	aatttttggg	gaagttgcat	aaaaacatac	gggaaatcct
93841	ttgacgatgt	tttgagttt	ttctgc aaat	ctaaaattat	ttcaaaacaa	aaagtttaaa
93901	aatcaaatac	acatagtgtc	ttgaaatagt	aactatttta	ttataattcca	agatgttgtg
93961	agtccaggaat	ttggccaaaa	ctcagggtggg	cgattcttct	gcaaagaccc	ccacaacaca
94021	ttcaaagtca	caggcagagg	ttgttggggg	agggcattga	aaagaagaga	agagtcatag
94081	gtgggtgcaa	tggaggggagg	gcagagggct	gctgactatg	gtgcaggact	catccataat
94141	ggagccctgg	ggaggcaagg	gcttcataac	tagacactgg	tcttgtcacc	tcagactcac
94201	ctgtagcagg	accagatact	gaggtcagac	tgaaaacaca	ggctctgcct	caggagaggc
94261	tctctactag	ctgagtaaat	gatgacagta	ttggaaatgt	tcccaacatc	ataatgggaa
94321	aacatcactt	cacactacat	aagcaataca	caggggcagt	gccggtcgtc	ttcccagggt
94381	agtagcagtt	ctactgcctc	caagagtgtt	ggagaaatac	aaaccaagca	ttaggcactt
94441	ttaaacttgaa	aacatgaagt	tctctttcct	aactttcttt	gtttccttat	ttcttcttct
94501	tcttcttctc	cttcttcttc	ttcttcttct	tcttcttctt	cttcttcttc	ttcttcttcc
94561	tcttcttctt	cttcttcttc	tttcttcttc	ttctcttctt	ccttttctct	cttctttttt
94621	tgctgagaca	gggtctcact	ctgacagtac	agtggtgcca	tcacagctca	ctgcagcctc
94681	gactccagg	gctcaagcaa	tcctcccagc	tcaccctccc	aaatggctga	aactacaagc
94741	tcgcaccacc	atagctggct	aatttttcta	tttttgtgtg	cagatgaagt	tttcttatgt
94801	tgcccaagt	gtctcaaaact	cctgggatca	agtgatccat	ccacctcaac	ctcccaaaac
94861	gctgggatta	caggtgttag	ccaccacacc	cagcccacta	acttttttat	atcggtaat
94921	gaaatagttt	taagttaga	ccctacgagg	cataaagaaa	taatttttagt	tatgttatca
94981	gatgtacagt	aatactcaag	tgtgcaactg	tggataactt	gagttcatga	gtttttgtt
95041	tttttgtcaa	aagaataaat	ttatagttaa	actacccaaa	aaagcaaagt	acagaacagt
95101	atgttaccat	ttgtgcacag	aaatgggata	tatatgtgtg	aactgcatcg	aatttactgg
95161	atgtatgtcc	agggaccaga	actcttggtg	gcttcatgtt	catacttttg	caagcacatg
95221	tgtagtatcc	ttaacttaaa	ggtagctgtg	tatacatctt	agtgttatca	aaatttatat
95281	acatatattc	aagtcagaga	ggtcattctg	tgtcttagta	ttttcacttc	atatttggtg
95341	tatttatgta	tgtatacaca	catacctata	tgtattttaa	taagatttat	agtcacatgg
95401	tccaaaaatc	aaaacaatgt	ggaaagggtt	acagagaaaa	gtctcaagcc	taatcctgtt
95461	ctctactgcc	aggtgaccat	gttattaatt	tcttttcata	ccttgccaca	gaattttcac
95521	ctgcaaacac	agatattctt	ttctttttta	atgacagagt	cacgttctgt	tatccaggct
95581	ggagtgcagt	ggcgtgatct	tggctcactg	caaactcctc	ccgggttcaa	gtgattctcc
95641	tgtctcagcc	tcctgagtag	ctgggattac	agggcatgtc	caccacaccc	agctaatttt
95701	tgtattttta	gtacagatgg	ggttttatca	tattgaccag	gctgatgtcg	aactcctgac
95761	ctcaagtgat	ccgcctgcct	cggcctccca	cagtgtctgg	attacaggcg	tgagccacca
95821	cgcccagtea	acacagacat	tcttactcct	tttttacaga	gaattttata	ttattatttt
95881	ttacatagca	tttttctgca	cctttctttt	tccacttaac	aatgcaactg	aagatttttt
95941	catatttgta	catcaggagc	tttctctttc	tttgttacca	cattaaattc	cactgggtag
96001	atgtaccata	atttaactgg	gtccttattg	aaagacaatt	gagctgtctc	ctagacaaag
96061	cctgtgtcac	cttcccKaac	agagggtcta	accaagcagg	caggatgggg	ttataaagta
96121	ggtggggagg	tgggagagac	tccaccttcc	caggtgggct	gagaatggag	gtaaggccct
96181	gcaacaggac	agagggaaaa	gtggggatga	gaggtgggag	gcgagatagc	gccactgttt
96241	ctcgctcagc	ccccctctcc	gtttgccgct	gacctgtttg	cctcccccaa	cctctgagcc
96301	tgctctctgc	taggttaattt	cccaagaccc	agaaggggtg	aagggtgagg	tgtgattgcc
96361	cccacctcct	tgcctcccgc	agcactctgt	ccgggacccat	gaacaatagc	tgacagctcc
96421	atggcccttg	ctgtcccctc	ctcagcttcc	ctgggcatct	aaacctcagY	tgccatgggg
96481	taggaggaca	ggctgaggaa	gcagaagcct	gaggctgtct	agagtctcac	tcctgcatca

FIGURE 4-AA

96541	gcaggccacc	acctgtggtt	cctccttgtg	caaatttgaa	aagaattgca	taaaacactg
96601	gagaaatcca	agaggggaag	tccacaaggg	cggtggctcc	ctacaaggtc	acagagcaag
96661	ctggtgtcag	agcctggacc	tacagcgctg	ttggtggagg	tcctgcctcc	aggtagggga
96721	agggctccct	ctcacctcta	cacgcagcgc	atttcttggc	tcagctgccc	tgtaggggat
96781	gcaggggtgg	gacagcagag	atctgtggcc	gggagggaga	gagtacacaa	tcacatggct
96841	gttggccctg	tctcaggcct	tgtctacctc	tgactgtggc	tctctggcag	gaatagatgg
96901	acatggcctg	gcagatgatg	cagctgctgc	ttctggcttt	ggtgactgct	gcggggagtg
96961	cccagcccag	gagtgcgcg	gccaggacgg	acctgctcaa	tgtctgcatg	aacgccaagc
97021	accacaagac	acagcccagc	cccaggagcg	agctgtatgg	ccaggtgagg	gcagcctggg
97081	gtaggacagc	atgcacacag	gtcagagggt	gatggcacga	gcaatggcag	gtccagtgtg
97141	gtcagaacca	aggggtgccg	tgctgacaag	gaaggggagg	ggcggccagg	gccaccatgc
97201	cacaggtaag	gccactgagg	cagcttgggg	aatatgagct	ccaatttgaa	ctccaggctc
97261	aggagtgtgc	ttgtatttca	ttcctctggg	ctcctggcct	gctccctaca	aggtttcaca
97321	ttcccagagg	gctggggatg	tgcttaggga	gagactgtgg	cgtggacaca	atctgtgggt
97381	taaagcgaag	acaggacagc	ctggaagccc	catgacatct	gagtcactcc	caacattcca
97441	tttgcttatt	tttaaatcgg	ggtaaaaaaa	aaaaaaciaa	tacataacat	acattttcca
97501	ctttagccat	ttttaactgt	acggttcagt	ggcattaggt	atgctcatgt	ggttgtgcaa
97561	ccatcaccac	catccatctc	ctgacctctt	tcattctcca	aaactgaaat	ggaaactctg
97621	tgcccaccac	ttcatttgct	tttcagaacc	ttctagagca	catcctcctt	gccaggaaat
97681	ggtgtggatg	tagacctttg	agagagacag	atgactatca	ttctcagggc	catgagctat
97741	atgagagtga	tgatatttgg	tgagccctta	ctatagcaag	ggagtctctc	tcattgtact
97801	cagtaactct	tttgagggca	acaacccttg	accctgacag	gcaggaccca	tgtctgccaa
97861	accctaagac	ccatgatgtg	caaggggtct	tgccaggaaga	ccaagagttg	gaacatccaa
97921	ggaaaagcaa	gtgtgaagtc	gggctggcag	ggaagcatgt	tctgtgtcag	ccggcagctg
97981	gcgtggggca	gggtgtggga	gggtggtagg	tctggctccc	ctcccatgga	ttccctattt
98041	gtttctctct	gggtgctcagg	cctgtcacgc	ctctgccatc	acttgaccct	aggtgcaagg
98101	gttcagccca	gaaatKttat	gcaattgatt	catgatttct	caggttttct	gagtcctggc
98161	ctagagtgc	ttcccaagaa	aaaMctccac	catttctgct	tgtcttacct	gccttgtatt
98221	tacctttcta	ggattgcctt	ttccacattt	agtcaagtct	aggttcagac	ccacgtgcag
98281	gctatagctc	cttcgttctc	caccactctc	aggatctatc	tagagtctcc	ccacctggac
98341	ctccagaccc	tgggagagcc	agaccagccc	cttgacctcc	accctccccc	acaacctggg
98401	ccaggttcct	ctcctccctg	tcctcagtta	taattttttt	tttttttaat	ttgaggcaga
98461	gtttcgctct	tggtgcccat	gctggcaatgc	aatggcatga	tcttggctca	ctgcaacctc
98521	tgctcctctg	gttcaagtga	ttctcctgcc	tctgcctcct	gagtagctgg	gattacaggc
98581	gcctaccact	gtgcctggct	aatttttttg	tatttttagt	agagacaggg	tttctctgtg
98641	ttggtcaggc	tggtctcgaa	cttctaacct	caggtgatcc	gcccgcctcc	ttaaacttta
98701	acctcactgt	ttaccatggg	tgtagctttac	ttaaactctg	taaaaatggg	ggtaaggatt
98761	cgtactgggt	tggttagagg	ataaagcgca	aaagcctcag	ggactttgca	cctatggttt
98821	tctatgccta	gagtggtctt	tgtctccctt	ctacacacag	cccaccacc	cactaaaacc
98881	ataccctccc	tgagggtaga	gggtgtattt	gttttcttca	ctgtgggtgt	cctaggacct
98941	agcacagtgc	ctgatgtata	atcacagctc	agttaatatt	ggctggatgc	aaaatgaata
99001	atataaataa	gctgaataac	atgaaatagg	ccgaacgcgg	tgactcacgc	ctgtaatccc
99061	aacacttttg	gaggccaagg	aggggtggatc	acctgaggtc	aggagttcga	gaccagcctg
99121	gcaaacatgg	tgaacccccg	tctctactaa	aaatacaaaa	ttagctgggc	atggtggcac
99181	gtgcctgtaa	tcccagctac	ttgggaggct	gaggcaggag	aattgcttga	accggggagg
99241	tggagggtgc	agtgagccaa	gatcacgcc	ctgcactcca	gtctgggcaa	caggagcgaa
99301	actctgtctc	aaaaaaaaag	tagtttaata	acatgagatc	actttttaaa	ccgttaagag
99361	ctgtactact	aataattact	ctctcagaca	gtggctctcc	ctcatctcct	atatcccggt
99421	gattaccctc	tgttaaaagc	caaaaattaa	caggcatggg	ggctcacgcc	tctaattcta
99481	gtattttggg	aagctgacat	gagccaagga	gtttgagacc	agcctaggca	acatagtggg
99541	accccatctc	tacaaaaata	ctttatatta	gccaggcatg	gtggcatgtg	cctgaattcc
99601	agctcctcgg	gaggctgagg	tgggaggatt	atttgagccc	aggatgttga	ggctgcagtg
99661	agctatgatc	acaccactgc	gctccagcct	ggccaacaga	gcaagaccct	gtctcaataa
99721	aataaatgaa	taaatagggc	ggaaagcacc	aatattgtaa	ttgcctccgt	ccccagggtg
99781	gagctcctca	agggccctcc	ccaggaagtg	ttcctctgga	tgacctacct	ggggcagagg
99841	agccagaata	tggaggagat	ggctgtgggt	gggagagact	tagtcctgtg	tcttccccac
99901	ccagtgcagt	ccctggaaga	agaatgcctg	ctgcacggcc	agcaccagcc	aggagctgca
99961	caaggacacc	tcccgcctgt	acaactttaa	ctgggatcac	tgtggttaaga	tggaaaccac
100021	ctgcaagcgc	cactttatcc	aggacagctg	tctctgagtg	ctcaccacac	ctggggccct
100081	ggatccggca	ggtatgagtg	ctgttcccac	aaacattaac	ctcagcagag	ggcggagcct
100141	gccagttgct	ggcagggagg	gcttgggtcca	ggaattcggg	tctgaggggt	gtggagcccc
100201	tgccccctcc	cacagctctg	gtccccctca	agggtaaaag	tgtgagata	cgtggctgac

FIGURE 4-BB

100261	aggagtattc	tgtctcctcc	ccactcaggt	caaccagagc	tggcgcaaa	agcgcatctt
100321	gaacgtgccc	ctgtgcaaag	aggactgtga	gcgctgggtg	gaggactgtc	gcacctccta
100381	cacctgcaaa	agcaactggc	acaaaggctg	gaattggacc	tcaggtgagg	acctgaggag
100441	ataagatgag	gagtgaggag	ggggcttttg	ggttgggagg	ggtgcggtct	ggcccagaag
100501	ctaaggggtc	taggttctcc	tccctcaggg	attaatgagt	gtccggccgg	ggccctctgc
100561	agcacctttg	agtcctactt	ccccactcca	gccgcccctt	gtgaaggcct	ctggagccac
100621	tccttcaagg	tcagcaacta	tagtcgaggg	agcggccgct	gcatccagat	gtggtttgac
100681	tcagcccagg	gcaaccccaa	tgaggaggtg	gccaaagtct	atgctgcggc	catgaatgct
100741	ggggcccctg	ctcgtgggat	tattgattcc	tgatccaaga	agggctcctc	ggggttcttc
100801	caacaaccta	ttctaataga	caaateccaca	tgtgtcttgt	gtcttgtaat	ttcgggacga
100861	gtgggttgga	gggacacatt	gcttcatctt	ttccattgac	aggcccccata	ttgggctgga
100921	actagcctaa	tgttcactgg	gaaggagggg	gtgggggttg	agctagaatc	caggatatctg
100981	atccgttagt	ctgggtctct	tacccttgca	ctggcttccc	cctcatgccc	ggccatctcc
101041	accggcacta	catatggaga	aagacacaga	cggagtgaag	aagggcagag	atagccgatg
101101	agttattggg	cttcaagttg	ggaagagagt	ttcttttagtg	atgtgggctg	ggtggagata
101161	ttgggtggga	ggagggtctt	gatgaacact	tgccttggtt	ccatttattt	atltatttat
101221	ttatttattt	atttatttat	ttgcgcacag	aatcttgata	tattgcccag	ctgtgtcttg
101281	aactcctgtg	cccagacaat	actccctcct	tggcctccca	gagtgtctgg	attataggca
101341	tgagtactctg	tacctgacct	gcttttttaa	aaaaaatgac	aactaatgtt	gcaattaaca
101401	atcttttact	tagtggaatg	ttatacttaa	attccagaaa	ggattatttg	gtcaagagta
101461	catataattt	tgagagttac	aactttattg	gggttgatc	aatgtgcctc	ccccaccagc
101521	aaagtatgag	agtgcctctt	tctccactgg	gtgtgatggc	tcagtgtctg	gatcccagca
101581	gtttgggagg	ctgaggcagg	agaatctctt	gagcccagga	gttcaaatatc	agcctgggca
101641	acatggtgaa	accccaactc	tacaaaaaac	taaaaaatca	gctgggcatg	gtggtgtgtg
101701	ccgtgtagtc	caactactag	ggaggcttag	gtgagagaat	cgcttgactc	ccagcaggct
101761	gcggttacag	taagctatga	tcatgccact	gcactccagc	ctgggcaaca	gggcaagaca
101821	ttgtctcaaa	aaaaaaaaaa	aaaaaagaga	gagagagaga	gtgcctgttt	ctccacaacc
101881	ttgtcaaccc	actatgccat	taaacttttg	ttttctgctc	atcttacagg	tggggaaagg
101941	gcagctcagt	gcagttttca	tctgccattg	ttctgagatc	ttccatattg	gacctattga
102001	tatgtttaa	taccaggtag	taatccattc	taggtgtaca	ttacattgaa	ttcagttctc
102061	tactgatggg	cattggaagg	aatggggttc	ttttatgatc	ctgacattgc	tgaaagccac
102121	aggccagtta	tttagtagaa	tactcctcca	tttggttttg	tctgtttcct	catgattcat
102181	tgaggttatg	cgttttgggc	acaaataccc	tacatggtta	tcccgtagat	cataatggga
102241	ggcatgtggt	gtggggtttg	ctcattcctg	gtgacgttaa	ctttgatctt	tttcttgaga
102301	ttgtgtctgc	cagggtttctc	cactacactt	tcccttttgt	aactagcaaa	tatgttgtag
102361	agagagactg	gagaactaga	gatactctat	tcatacagac	acttccacct	atatgttcta
102421	gtacgtgatg	gaccttaaac	atgtcttact	atgttacagc	tctttcacca	acccattcaat
102481	acttttcagt	ggtatcaact	gtaaaaacca	aacttcttca	caatagcaca	gaagaccatg
102541	cccctccttt	gagccctcaa	gccaaatctc	tcccacacca	ccccataaat	gagctccagt
102601	cacattttct	atgtttgggg	cttttgctcc	agcaactctt	tctctgcatg	cctgaaatgt
102661	tcttcattaa	tcctctgcag	tcttgccact	tgtggccact	tagatcacaa	cttacaatcc
102721	ccccctaaaa	tgacttctga	ccactcaaac	tgacaaaccc	accagctga	tttctcatca
102781	cactactcta	tgtccttgtg	cagattttta	tctactgtgt	ttgttgtcag	ccttttccct
102841	aacaaaacat	actctcccga	aagcagggtt	gtgtctgtgt	catttttatgc	tacatcccca
102901	gggtctgggt	cagtgcctgg	caccgagaat	gtgctcagta	agttaaaggaa	tcgctgcatc
102961	cattctgtca	gtcaacaatt	ccttctgagc	atccagtcca	ctggcccctg	ctggtctcag
103021	ccaacagaaa	gggaattgag	ttccttgcaa	ggtctgggtg	ggacagacag	ttctgagaac
103081	cagtgactct	tagaacaagg	agatgaggct	ttcacagagg	gaagcacaga	gtgtggtatt
103141	attctgctga	agcccaaaaga	ggtcagggaa	ggattccaaa	ggagtaattgt	ttgccaagca
103201	caaaacagca	cagggaatgg	cattccatgg	acaggtctca	gcaagtgcaa	aggcttagag
103261	gtaatagaag	tgcaagcaga	attccagggt	ggctaagaga	ggttgtgtgg	ggaatgggca
103321	gcagttaagg	ccaaagaaga	aacactggat	ctgcattcct	taggacgggtg	ccctgtgggc
103381	ccctcacaga	gcttctctcc	tgcaactgct	aggtataaga	aggcaggctt	agaatcgga
103441	tgagatcagt	agtttctgca	gctgggaaga	tgagtgaagt	gagattgcat	gtgtgatagg
103501	ctggcactca	gggaagacct	cagggttctc	tcctccccac	tctgaggccc	ctctcctgct
103561	tcctgaagcc	cagagtctcc	acctctgtga	gccaaacacc	ttcctgttat	ctgcctggtc
103621	ctagggtagc	cttcgggttg	gggttagaag	gaatgccaat	ggttaacctt	gtggtattaa
103681	gcttccagct	caggcagata	ctctctggac	tggttcaagc	tgactgctg	actgtccctc
103741	cctgctggcc	ctagcaccca	gactccagat	aggcacacca	cctcaccctt	cagagcaggg
103801	ctctgagact	ccacaagtgg	tgaggactta	ccagaggaac	tgaacttgac	ctccaaccca
103861	accttcattt	tgctggtatt	attctgaagc	cctcatggcc	caggggctg	cctcaggtag
103921	cagggtctcac	tcctgcagtg	gaggggccat	aaagttcagt	tcattgatcag	cccccaagcc

FIGURE 4-CC

103981	aggggcagcg	gatgacaggg	caggagttcc	atctagagga	gctcctgtgt	tcaggcggtt
104041	ctagacacct	gcctgccctt	ctcccatcag	cactggggta	taaagaagga	aagaggcctg
104101	aggtttccag	aggcctctac	ctgctgaggt	cttaagagga	ctcaaccctc	tgggaaatac
104161	aaataaaatc	ctcaaccctc	caaacaactg	aatggacacc	tcttggccaa	agagaccccg
104221	gaaaaacttt	aaaatccaag	tttcctggcc	gtgatgatag	gtcactcaca	cctcagcaca
104281	cctgcttcct	cacgaaccgt	taccaaggctt	ctttcccaag	agctaaacag	aaaccagccc
104341	tgaaaaccaa	gaacaggaga	ctccttcaat	gatttcaatt	tcaaccaatt	ccgagactcc
104401	cttccctttc	ctgattttga	catgacagct	gatcagctta	caaaacattc	ctggctgatc
104461	aatgactctc	aacctatggac	cagttctggc	tggtttacag	aggcagcaca	caaagtgcct
104521	tgggtcctgt	gtttcacatt	ttgacataca	gagcctaatt	caactgcatt	ttaatgtctc
104581	caccccggaag	tgaatatggg	acatatttaa	catgttttat	tggtagacat	gtgtgcaact
104641	ctcatgaata	ttcataaaatc	ctcttaaaac	ttattaaata	tatatgttta	gccaaactgat
104701	ttagtgtaaa	acccctgtcc	cttcaattcc	tagctttag	gttgcaacc	atcaaaagaa
104761	ataaagctct	cttttccaaa	tgtaaagatc	ttatgatttt	aagccaatat	aatgtgaagac
104821	aagagtagga	tccatggagc	agcccagggt	ccccagcct	aagtgaatgc	acagggtgcca
104881	ggtggagcca	ttgacagctc	atttgtctcc	ctgacagctt	tgggaggaag	gtgggtaagc
104941	tctccccgat	ctaagatctc	tcacttttga	attgagatct	cgaggacttc	atttttttac
105001	ctcgtatcccc	tccatccgga	ccctgcaagt	gccatctttg	ttggtccag	gtttctagat
105061	ggggagggtt	ggggcagtta	agcctgactc	atccggcgca	tcagcccatc	aggtttggtg
105121	aggatgcttg	ccctctagt	gcacacgaag	gaatgtctta	tgcttttctg	gggaatctag
105181	attctaagga	gacagtccca	gaccagctgc	catcaggaa	atgcatgttt	cagaattatg
105241	agaaaaagtc	ttgtgaatat	tttgatcct	ggaaaaaagc	taacctggaa	caatataaag
105301	atttataggc	caaaatggag	aacttttggc	agaatgtctg	acatgcctaa	attagtttat
105361	ttgcatgcac	aatagggttc	aggacctctc	agaagcaatg	ggaggtcttt	ttttttttt
105421	tttttttgag	acagagtctc	actctgtcat	ggggagtgga	gtggagtggc	acgaactagg
105481	ctcaatgcag	cctcgacctc	ccaggctcaa	tcactcctcc	acctctgctt	ctcaagtagc
105541	tgggattata	ggcatgcacc	accacacccc	actaatttct	ttattttcaa	tttttaattt
105601	tttatagacc	atgctggtct	caaattcctg	gactcaagga	atcctcccac	gggagaccat
105661	ttttcagtg	tattatgaga	gctctaaaca	cagtggggag	tctcagataa	cctccttaaa
105721	tgaagttaat	tcaaaaactga	aggagtctaa	ttcaaaaact	gaccagcata	ttcaaaacta
105781	tctgccacta	ttggacaggt	agctgaagac	actgcaaaaa	gccttatagc	ccaacaaatt
105841	gaattccctg	gctcaagttag	taatagataa	tttaattgct	tcagattttc	ttttacccaa
105901	acaaggaaga	gtctgtgcag	tggcccataa	cacctgttgc	acttacatca	acacttcagg
105961	tgaagttaga	actcatatag	ggttgggcac	agtggctcac	acctaatac	ccagcacttt
106021	gggaggctgg	ggaggggagga	ttgcttgagc	tcaggagttt	gagaccagcc	tgagcaacat
106081	ggtgaaaccc	tatctctaca	aaaactgcaa	aaattaacca	ggcatggtgg	catatgcctg
106141	taatcccagc	tatttgggag	gctgaggcaa	gaggatcact	tgggcctggg	aggcataggt
106201	tgcagttagc	ctagatcacg	caattgtcatt	ccaaactgat	aaagcaagac	tctgtctcaa
106261	aaaaaaaaaa	agaagaaaaa	ctcatacaga	aagaatttcc	aaacaagcta	aatgattaca
106321	agaaataaaa	ctactgatcc	tatcaatgat	ctgttcagtt	ggctttctac	caaacagaaa
106381	ttcctttcaa	gatgctattg	aaggctgggc	gtggcggctc	atgcctgtaa	tcccaactct
106441	ctgggaggct	gaggcgggtg	gatcatctga	ggtcaggagt	ttgtgaccag	cttggccaac
106501	atggtgaaac	cccgctctta	ctgaaaaata	caaaaaatta	gctgggtgtg	gtggcgacac
106561	ctgtaatccc	agctacttgg	gaggctgagg	caggagaatc	gcttgaaact	gctaggcgga
106621	gattgcagtg	aaccgagatc	acgccactgc	actccagcct	gggtgagagt	gagactccat
106681	ctcaaaaaaa	aaaaaaaaaa	aaaaagggtgc	tattgaagtt	tttgttataa	ttatagtctc
106741	catcaaaactt	ttcttcataa	catttaaatt	acttataata	tgggacaggc	atgggggctc
106801	aagcctgtaa	tcccagcact	ttgggagggtg	ggcagatcat	ttgaggtcag	gagttcaaga
106861	ccagcttggc	caacatggcg	aaacactgtc	tttactaaaa	atacaaaaat	tagccgggca
106921	tgggtggcatg	tgccgttaat	cctagctact	cgggaggctg	aggcaggaga	attgcttgaa
106981	cctgggaggc	ggaggttgca	gtgagccgag	atcacaccac	tgcactccag	cctcggcaac
107041	agagggatac	tctatctaaa	aagtaaatat	aaataaataa	ataacttata	atatgtataa
107101	ccaactgctg	taagtctgct	gctaaaaacca	gaattatgct	ggctcaatgc	atagaactta
107161	tgaacaagtt	aaattggtag	ccctactttt	tggcctttat	attgcttgat	agaccttagg
107221	ggttgatgag	tacctgccc	cctctatttc	tgtctggcca	agatgttcaa	ttggctgtaa
107281	gtctcttggc	cacaagggtc	ccaccaaggg	actggatgga	tctggagcag	gtagcctcag
107341	catcctggca	acgacatggt	acaaacaatt	tggccattga	tgctgactgt	ggcagactct
107401	ggctaaaaag	aagaaatgtg	gaataaaaaag	aaaatccaaa	gacctctcaa	ctgactgaac
107461	aaacccctct	tggccaagga	gaccccgaaa	aaactttaaa	atctaggttt	cctggctatg
107521	ataagacag	aggctggtca	cacctcagta	tacctcttc	cttactgtta	ccaggctttt
107581	ttcctaagag	ttaagcagaa	tctgttcctg	gaaaacagag	aatggaagac	tcctccgctg
107641	acttcagctt	caactgcctg	atgccatggc	cagacttcac	tctctttttg	tgatttgaca

FIGURE 4-DD

107701	cgacagctga	ccagctcaca	aagctatcct	tccatgatcag	ttcctgttaa	ccatgggctg
107761	gttctggctg	gtttacagag	gctgcacaca	aagtgccttt	gtgtcctatg	tttcaccttt
107821	tgatgtgat	ggcctaagtc	tgcattttaa	tgtaagtct	cagctgggta	tggtggctca
107881	atgcctgcaa	tcctagcact	ttgggaggcc	aaggcaagag	gattgcttga	gcctaggagt
107941	tcaagaccag	cctaggcaac	atggtgagac	cttgtctcta	tttttttaat	taaaaacaaa
108001	atacaaatat	aaaaataatt	actgttaact	ctccaccca	aagtgaacac	aggatgtatg
108061	taacatgtat	gtttgcttag	tatacatgca	tgtgactccc	tttcatgaat	attcatagct
108121	cctcctataa	cttattaata	agtatactag	ctaacctatt	tagcataaaa	ctcctgtccc
108181	acctctcctc	cctcaaagtg	cctgctttcc	atctcagcca	gaggctccac	ttcccagcct
108241	gcaggttaca	acacaatat	agtaaaagt	ttctttccaa	gtgtatacat	ctggtgattt
108301	taagtgtgata	cttcccagg	tgtccaagat	tcaggtaacg	ctcactattg	caggatacaa
108361	gctgggatct	cctgggagtt	ggctctcttg	caaatcgtat	tatctctgta	tcacctttta
108421	tgaaatccta	aaagaattta	aatctgaaac	atgtgactcc	aaagattttg	aataaggaat
108481	tgtgaaccca	tggtaaactc	ctggcttaag	gggtgtccaat	tttttggtct	ccctgggtca
108541	taattggaaga	ataagaaagt	ttaagaaagt	ctgtgaattt	gttttggggc	acattcaaa
108601	ctgtcctggc	cacatgaggc	ctgagggcta	taggttgga	aagcttctag	ctggctattt
108661	ctgcattttg	tccaaatcca	tcttttaatt	attatcatta	ttattattat	tatttgagac
108721	ggagtctcgc	tctgtcaccc	aggctggagt	gcagtggcgc	gatctcagct	cactgcaagc
108781	tttccctccc	gggttcacgc	cattctcctg	cctcagcctc	ccgagtagct	gggactacag
108841	gcgcctgcca	ccacgcccgc	ctaattattt	tgtattttta	gtagagaagg	ggtttcaccg
108901	tgtagccag	gatggtcttg	gtctcctgac	ctcgtgatct	gcccacctcg	gcctcccaa
108961	gtgctgggat	tacaggtgtg	agccaccgcg	tccagctgaa	acataatttt	tctctttttg
109021	gtttcacatt	tttactaaag	acaaatcatg	gtaagactga	tttgctttat	tatactggc
109081	ctgattattt	gtgtaacgtg	cagcaagaat	acttactttt	cacataggct	ttttaagttg
109141	gctttgatgg	aactttgttt	tgtagaagaa	tctcagatta	gactttttct	tttaaggccg
109201	ggctcagggg	ctcactcctg	taatcccagc	actttgggag	gctgaggagg	gaagatcaca
109261	tcaggagttc	aagaccagcc	tggccaacat	ggtaaaacc	cgtctctact	aaaaaacacc
109321	aaaaactagc	caggcatggt	ggcagggtgc	tgtaatccca	gctacttggg	aggctgaggc
109381	aggagaatca	cttgaacctt	agaggcaag	gttgacgtga	gccaagatca	caccattgca
109441	ctccagcctg	ggcgacagag	cgagactctg	tctcaaaaaa	acaaaacaaa	acaaaacaaa
109501	actttttttt	taaagccgag	tttggtcatg	cgggtgtacc	atcaaatacc	tatgagttgg
109561	gtgaattcct	cttgagaacc	caagatgatt	tggggctcct	gggtctgtca	gagagtgcac
109621	ttctttactt	gccacaggtc	agaaaccctg	ctcaggatct	gtgtagaaaa	ggtatgaagt
109681	tagttttccc	aaggggctct	tatcagctct	ataagtcaag	tttgattcct	taaaggaaag
109741	cacaccattc	cagtcaaaag	tttggtcaaa	taactgggtt	ctccaattgt	gtcctgttac
109801	aaaagaaaac	agattctggc	tgggcacagt	ggatcatgct	gtaatctcag	tactttggga
109861	ggctgaggtg	ggcagatcac	ttgaggtcag	gagattgaga	ccaacctggc	caacacgggt
109921	aaaccccgct	tctactaaaa	atacaaaaaa	tagctgcttg	tggtgtgtaa	ttgggtgata
109981	agagatttta	aagaattttt	tttgtagagc	accatgggtt	aaagtacagt	taattaaaaa
110041	tagatattca	agctctaaca	gcctgggact	ccttggggaa	aacaggaggc	gccagagaca
110101	ccatttttga	aaaaaacctt	gttttctctt	tggaaaccca	ggaattgaaa	gctgataaat
110161	tcctctcaaa	atttaaggct	ttgttctgtt	ttggattgca	gtatctgaag	tttttgactt
110221	ttggtctatc	agaaattata	tcgcattatg	agagagtttt	gggtgtgtaa	aactaggtag
110281	gaaatatact	ttaagggaatg	gctaattgga	attatagatg	atcacgtagc	tctttgcatg
110341	tttgatttag	agaagcatgc	tcttgccac	ctggaaggta	tggaaatacc	tttttttttt
110401	tttttttttt	ttttgagaca	gagctcact	ctgtcacccc	ggctggagtg	cagtggcaaa
110461	atctcagctc	actgcaatct	ctgctcctg	ggttcaaagg	attctcctgc	ctcagcctcc
110521	caagtagctg	ggattacagg	cacctggcac	catgcccagc	taatttttgt	atttttagta
110581	gagacggggt	ttcaccatgt	tggccagggt	ggttttgaac	tctgacctc	agggtgatctg
110641	cctgcctcgg	cctcccaaag	tgctgggatt	ataggtgtga	gccaccgtga	ctggtgtgaa
110701	atatcttctt	atctccact	gagagataag	acttccacag	aagatgggct	gattccccct
110761	tttttgggga	gggatccagg	gtctggtata	aaatgggata	ttcatttttg	gggatctgtt
110821	ttgccttcca	gctgtgcctg	cttattaggg	ccaaagggtac	ttgggagtc	cagctattttg
110881	ggagactcag	gcaggagaat	cacttgaatc	caggagatag	aggttacagt	gagctgagat
110941	cacaccactg	cattccagcc	tgggtgacag	agttagactc	tgcccaaaaa	aaaaaaaaaa
111001	aaaaaaaaaa	gaaagaaaga	aaaaagagac	agattattta	gattattttat	ttacttactt
111061	tttttttgag	atgcagtttt	gctcttgtca	cccagggttg	agtgcattgg	cacgatctcg
111121	gctcactgca	acctctgcct	cccgggttca	agtgattctc	ctgcctcagc	ctcctgagta
111181	gctgagatta	caggcacaca	ccaccacacc	cagctaattt	ttattttatt	atttttagta
111241	gagacagggt	tttgccatgt	tggccagggt	ggtcttgaac	tcctgtcctc	agggtatcca
111301	cccacctcag	cctcccaaag	tggtgggatt	acaggcgtga	gccactgcgc	ccggccaaga
111361	aacagattct	tattgcactt	atgcaataaa	ctatattgct	ataagttaag	aatactcaca

FIGURE 4-EE

111421	cctagttttcc	taatttctgga	aaaatcaggt	agaaaaaaac	aaatatgttc	caaatatggt
111481	gccagaagta	tacttttactg	aattgtttttt	tttttttttt	ttgagacgga	gtctcgctct
111541	gtcgcccgagg	ccggactgcg	gactgcagtg	gcgcaatctc	ggctcactgc	aagctccgct
111601	tcccgggttc	acgccattct	cctgcctcag	cctcccgagt	agctgggact	acaggcgccc
111661	gccaccgctc	ccggctaatt	ttttgtattt	ttagtagaga	cgggggttca	ccttggttagc
111721	caggatggtc	tcgatctcct	gacctcatga	tccaccgcgc	tcggcctccc	aaagtgtctg
111781	gattacaggc	gtgagccacc	gcgcccggcc	tactgaattg	ttaaaagggtg	taaatagctc
111841	aaaatttttc	ctgactctga	aaacaaaaca	aagtttcagc	agcattttta	gcaaagtcaa
111901	aaacatttct	tcagtcttct	atttgttcat	tccatgcagt	taactcctgt	cctgtttaat
111961	cgtcatgaac	atttcagctg	tccatgcagt	ctgaaagtgt	ttcctctatt	ctgacgtcac
112021	aatctccaaa	cttatcagaa	acctgcattc	aagagaacct	gtcaaaatcc	tatagttgat
112081	tataaaccac	cttttgaaga	ggatcaaaat	aagaaaacaa	ttgtctgtgg	ttgacagaag
112141	tcttāggaca	gccactattt	aagccacaat	tgaaaaggaa	atgtgggggt	gggcacgggtg
112201	gctcacgcct	gtaatcccag	cactttggga	ggccgaggca	ggcagatcac	ctgaggtgag
112261	ggatttgata	ccaacctggc	caacatgggtg	aaaatccgtc	tctactaaaa	atacaaaaat
112321	tagctgggga	tgggtggtgg	tgcctgcaat	cccagctact	gagagtctga	ggcaggagaa
112381	tcgcttgaac	ctgggaggtg	gagttttcag	tgagctgaaa	ttgtgccact	gtactacagc
112441	tgggtgaca	gagtgagact	ctgtctcaaa	aaataaaaaa	gaaaaagaaa	gaaaattttg
112501	gttagttctg	tgacaacaat	tttacataac	aattatgact	attaataaca	tacactaagt
112561	tatacaggaa	ttatgggtgt	tttccataat	tttggaacat	gtccaataac	atatttatgc
112621	aaatataggc	caaagaaagc	caaatactat	ttcacatttg	acgatgcttc	ctttatggat
112681	tttatactga	ataagccaaa	tttcaccttt	acgttagtgt	actattaatg	ttaaacccaa
112741	ttctttaata	aaacctttta	gacaaattta	tttaattctta	atcagtttga	ccataaagta
112801	agattcttat	aaacttttgt	ttcctcacct	ccccagaaaa	gtggatccta	aaacttttat
112861	aaccttttac	aatttttgtg	aacgagcaga	ttaatgctct	aagaaaaaac	tggtgtgctt
112921	ttattccaat	gtttgattta	tagaaaaaat	gaataaccct	ttacttttag	ccaacatggt
112981	cacacagaat	ttcttttatg	acattaattt	ttcacaaacc	ttccacaatt	tggtcaagcc
113041	ttcagcttta	tctcatctaa	aacaatcctt	taacctttta	atctaggcag	aaaaatccac
113101	attcccatga	cttcttataa	tcttttacca	aaaacacatt	tcactttcct	tacacacctt
113161	gcagttaaaa	ctgatgttat	ttcccaaaga	ttactaaagg	catataaact	aaaaggcatc
113221	acagttttta	tttttcta	aaaatatttg	atttaagctc	ttattatttt	ttaacctatt
113281	aatcaaagct	cttttatatc	tcacacacac	aacatatata	aatacacaga	ccagaagatc
113341	cagtagttgt	aagaattttc	atttgccagt	ttctttttct	ttcttttttt	ttgaatcgga
113401	gtctgtctct	gtcgcccagg	ctggagtggg	gtggcttgat	ctcggtcac	tgcaagctcc
113461	gcctcccagg	ttcacgccat	tctcctggct	cagcctcctg	agcagctggg	actacaggct
113521	tctgccacca	cgctgggcta	agtttttgta	cttttagtgg	agacgggggt	tactgtgttt
113581	agccaggatg	gtctcgatct	cctgacttcg	ttatccacct	gcctcgacct	cccaaaatgc
113641	tgggattaca	gggtgtgagc	accgcgcccg	gccatcattt	gccagtttct	taattggatt
113701	actgacttta	gggtggagcc	cttgggggaa	caaggtcagg	aaagcatgca	gtttctacag
113761	cctaataagc	aggcaagctg	gaaggcaaga	cagatcccc	aaaataaggg	tcccatttta
113821	taccagatcc	tggatcccc	ccaccaaaaa	aggggaaatc	agccccattt	ccgtggaagt
113881	cttatctctc	agtgggagat	aagcgggtat	ttccataacct	tcgaagtggc	caagacatg
113941	cttctcta	ctaaatatgc	aaagagttta	gtattcacca	ataacttcca	ctggccattc
114001	cttaaagtat	atttcctacc	tagttactac	acaccaaagc	tctgtcataa	tacgatgtaa
114061	tttctgatac	caccaaaggt	caaaaacatc	agatactgca	atgcaaaaca	gaacagagcc
114121	ttacattttg	agaggaattt	gtcaactttc	aactcctggg	gtttcaagag	gaaaacagag
114181	tggatttttt	tttttttttc	caaaatgggtg	tctctggcac	ctcctgtttt	tcccaggggag
114241	tcataggctg	ttagagtttg	aatatcctgc	tttaatgaag	ctgactttta	accatagcac
114301	tcttaaaaa	aaaaatcctt	taatgtctct	tattacccaa	cttcagccat	gccaaactac
114361	caatatttct	ggcttctgaa	ctttaccaaa	ggcaaaactc	caggtactcg	gagaaaaaaa
114421	attcaagaca	gtttgtggag	ggaaagagaa	tctacaaatg	ttcagacaga	tctcaaaacta
114481	gaaaggactc	attccctaag	ctggggattg	aacctgaac	ctgggctgcc	actgtgaaaa
114541	gacagtctta	gctgctgagc	tacagcattg	ggcagtcctc	attgcccttc	ccagaaggag
114601	gctagagtca	ccaattttga	gcttgcaaa	gcttttatct	gatcaagata	atttttagga
114661	gttaactatg	catgaacccc	aaaactcctg	tctgctggat	ggtagaaaacg	aagagaaagt
114721	atcgccacgt	ggttacaagg	tgaagctccc	aaggacataa	aacaagacga	aagagaaatt
114781	tcatccagct	tttcaggggc	cttcagcaaa	gtttataact	gatcagtttg	cttggccatt
114841	ttgaacagcg	ggcttacagg	cgtctaatgtg	agagacagga	ctagctggat	atcctaggcc
114901	tactaagaat	ccctaagcct	agctgggaag	gtgactgcat	ccacctttta	acacggggct
114961	tgcaacttag	ctcacacccg	accaatcagg	tagtaaagag	agctcactaa	aacgctaatt
115021	aggcaaaaac	aggaggtaaa	gaaatagcca	atcatctatc	gcctgagagc	acactgggag
115081	ggacaatgat	aggatataaa	cccaggcatt	caaaccagca	agggctaccc	tcttgagctc

FIGURE 4-FF

115141	ccctcccttt	gtatgggagc	tctgttttca	ctctattaaa	tcttgcaact	gcacactctt
115201	ctggtcagtg	tttgttacga	ctcgagctga	gctttcactt	gccgtccacc	actgctgttt
115261	gccgccatcg	cagaccgcgc	gctgacttcc	acccctccag	atctggcagg	gtgtctgctg
115321	tgctcctgat	ccagtgaggc	acccattgccc	gctctggatt	gggctaaagt	cttgtcattg
115381	ttcctgcacg	gctaagtgcc	cgggttcatt	ctaactcgagc	tgaacattag	tcgctggggt
115441	ccacagttct	cttctgtgac	ccacggcttc	taatagagct	ataacagtca	ctgcatggcc
115501	caagattcca	ttccttgga	tctgtgaggg	caagaacccc	aggtcagaga	acaagaggct
115561	tgccgccatc	ttggaagcgg	cctgcccacta	tcttggggaa	tctgggagca	aggaccctct
115621	ggtaacagta	ggcttgcat	ctatcctaag	gtacccttct	ttatggcaga	acaatataga
115681	cacacaaagc	acaccagatt	cgttacagct	taaggctagc	ctcacagtc	ttttttctca
115741	ttaaccaaaa	cttgccctgtg	gtaagggtggg	gaaagtgaag	agctcaggaa	gaccagagaa
115801	agactcacct	atcccagtg	cactgaatca	aaagttcagg	cagccgctca	ttgggttaaga
115861	agggatcttt	tccaggaggt	gcatcagctc	ttaagtgtcc	ccgtttgggg	agcaaaaagc
115921	tctcatgtcc	caggatcctg	tacatacaca	attctgtcac	ccacagccat	cagcaagat
115981	ttcaaggtag	attaatccaa	agagaatagc	aattaatatc	ccatgggtgct	aatccggttc
116041	ttagccaaga	ggaactttac	tctgagaggg	gcttctaact	ccctaaatct	tagaaggggac
116101	tctaaccactc	ctgagttggg	cctcaaacca	aagttcagtc	aagtgtcctt	gctttttat
116161	aagagggggc	tttaaccac	tctgtcttag	gagagacttt	aactccccta	agttgagcct
116221	ctaacccaat	tccatccttt	acctgggtac	cccgccactt	accctagata	gccaatttgt
116281	gctgcagctc	atttcctttg	ggtaggggtg	ctcctcaggg	ttcgacagga	agatgttacc
116341	agaaagggat	ccagatccag	acccaagag	aaggttcttg	gatcttgat	aagaaagat
116401	ttgggggtgag	tccatagagt	aaagtgaag	caagcttatt	aaggaggtaa	aggaatacag
116461	aatggctact	ccataggcag	ggcagtggtc	tgagctgctc	cactaaggat	acttatttgt
116521	acttcttgat	tatatgctaa	agaaggggtg	gattattaat	gagttttcca	aggaaggggt
116581	ggccaattcc	cgttaactgag	ggttcctctc	cttttttagac	catttaggg	aacttcctga
116641	tggtgccatg	gcactgtgaa	tcacggcact	ggtgggagtg	tcttttagca	tgctaataca
116701	ttataattag	catataatga	gtgatgagga	tgaccagagg	tcacttttgt	cgccatcttg
116761	gttttggttg	gtttgggctg	gcttctttac	cacaggctgt	tttatcagca	aggtctttgt
116821	gacctgttat	cttgtgtca	cctcctagct	catcctgtca	cttgggaatg	cacacctctc
116881	gggaatgcag	cccagtaggc	ttcagttcca	ttttaccag	cccctattca	agatgggggt
116941	gctttgggtg	aaacgcctct	gacagaccca	ccagaggagc	ccttcagttt	gtattaatat
117001	gatatgtgac	tacttatttc	acagacactg	tgtgtcaaat	gtcggtagaa	tgccaacaac
117061	tcactttctt	ggttggtgag	tttcgcgact	acacaaataa	ggaagcaggc	ccagaggaga
117121	gcctgggaaa	tgaagtggga	gagaccatc	ctggggttgc	ttgatttagg	gatttagact
117181	gggaatgact	cctccataga	tctgaaagaa	gaaactgcac	actgttcata	gtggcttctt
117241	ttctgccagc	cctaaacagc	tcaagaaagg	agagtctctc	agttatgagg	ctgggtgtga
117301	agcatttttt	ttttctttga	gagaggctct	gttatgttgc	ccaggctggg	ctccaaatcc
117361	tggtctcaag	cgatccttcc	accctggcct	cccaaagtgc	tggtgattaca	aatgtgagcc
117421	accacatccg	gcctgaagca	tcttggttca	tgcatctagc	aaaccttcag	tctgtgtctc
117481	tcaatcccac	tggacatgag	gtctgcctat	aacaattatt	tggtacaaac	ccctttaata
117541	tcctgaactt	agctaaacag	ttattttaaa	aatccatat	caaataatac	taagaaagaa
117601	acagaggaaa	agtaatttgt	aatatggatt	tctatttata	ttcgttttga	ctccattagc
117661	agatagcagt	cactgccctg	tttgacttg	ttttgaatca	gtgagcctgt	agctgccaag
117721	tgagactaa	caagaggtaa	ataacctgta	taccttgagc	agctctgact	ttaacttatt
117781	cttttatttt	ttatattttt	attttttttt	atttttatct	cttttttagac	atgaggtctc
117841	actatgttgt	cccagttgac	ctcaaaactc	tgactcaag	tgatcctccc	accttggcct
117901	ccaaagtact	gggattatag	gtgtaaacca	ctgtgcctgg	gcttttatat	attttttaag
117961	tgacatcttt	aatgttttagc	ttgtcagcct	taagtaacga	gatccagaaa	gcttgaggat
118021	agctacacag	aagcatagat	tcaagtgtgc	ctgaatatac	acttcgattc	acagcagtta
118081	caagtgtggt	tttaaggaaa	cagaatagtt	cctaagttgt	ttatcaagaa	tttaaaataa
118141	aataacataa	gcaattcatt	ggctatacat	tggtttttgt	atcacaat	ccaggaacag
118201	ataacgggtg	aggcagctag	tcagggacaa	aacgccttgg	aacaattgtc	tctgggcatg
118261	ggtggggagg	gtgtgactga	agttccatc	tcattgcctt	ctgggctgta	taaattgggc
118321	atgtctcaca	tcattgagact	gctctgagct	atttttcttt	tctcaagctt	tataccaaat
118381	tctaggccgt	gggctttcat	tcattcaata	agtatgtatt	gagtgtttat	gtaatcgga
118441	ctcttctggg	gttacatatt	aacttacttt	ctcacctccg	aatgggtatc	acctcaacga
118501	ggactaaatc	caatgatatt	tttttatctt	gccaaaattc	ctatctaagg	ggtctgggga
118561	gtcatgccct	acaaatcata	aattctcatc	agatgggttt	tatttaaccc	tatatatcat
118621	gacttacttt	ccaacctgac	tctggcataa	catgacgaga	caaggaagaa	aagcaaaata
118681	ttttaatat	tttacctcaa	aacatgtttc	tttgccatat	cttgaaatgg	ccctgctact
118741	gtcctttgtg	ggggaaaatt	ttcatctgta	aagaatctct	attaacatag	ctggatcttt
118801	ttctaccag	ccctccaat	cataaagaga	ttaactaagt	gtagcacctt	ttatagatct

FIGURE 4-GG

118861	gaataggaaa	cacttgatcat	ctgttggttcc	taagggcagc	cactataaga	cttcaaaaga
118921	accttggtct	ccacagtctt	ttatcttaac	atttcttttc	tatcaacccc	aggtcttttag
118981	acaaactcaa	ccaattgtca	accataaaat	gtttaaatth	acgtatagcc	tgaagccct
119041	gccacccac	tttgaattgt	cccaccttcc	tggaccaaac	caatgatttt	ttttttttt
119101	tttagatgga	gtctccctct	gccgcccgtg	ctggagtgc	gtgggtgtgat	ctcggctcgc
119161	tgcaacctcc	gcctcctggg	ttgaagcaat	tctcctacct	cagcctcctg	agtagctagg
119221	attacaggtg	cctgtcacca	cgtccagcta	attttttgta	tttttagtag	agacaggggt
119281	tcactatggt	ggccaggctg	gtctcaaact	cctgacctca	agatcagcct	gccttggcct
119341	cccaaagtgc	tgggattaca	ggcgtgagcc	accgtgcctg	gccaatgtat	tccttaaatg
119401	catttgattg	atgtctcatg	cttccctaaa	atgtatgaga	catccttctc	ccctgattgt
119461	tttcaaaagc	agtgtatccat	tgagggtgctc	attttttgtaa	ccccagttac	tagaaaagtg
119521	cctgggtaag	agtatgtagg	atctctataa	aagctgaatt	aacgaatttt	gtaatgactg
119581	cactccaga	caggagctgt	cttcccggct	tccacagtct	ctgacagccc	ctccccaca
119641	agagtttacc	aacagcaagg	actttcctgg	atgacttcca	ctgggttggg	gattaaggat
119701	tgaagggga	gaggctgggt	gtggaatatt	ctggctgtgc	tggctgtgga	cttagtcctg
119761	tgtcttccc	catccagtgt	agtctctgga	gaaagaatgc	ctgagcttta	ccagcaccac
119821	ccaggaagcc	cataagaata	ttcccactca	tatggattca	actggaacca	ctgtggagag
119881	atggtacctg	cctgcaaacg	gcactttatc	caggacacct	gcctttacga	gtgacccccc
119941	aacttggggc	cctggatcca	gcaggtagcg	atggcttccct	ggcatccaag	agctagcaga
120001	ggagctgaat	tttccaggcg	tctctgcagg	cagcaacccc	agctccagtt	ctattcaggg
120061	ctgggttccct	gggatttctg	agcctgagcc	cttcttttct	accaaattct	ccagggtgga
120121	tcagagctgg	cgcaaagagt	gggtgctgaa	tgtgcccctg	tgcaaagagg	actgtgagca
120181	atggtgggaa	gattgtcgca	cctcctacac	ctgcaagagc	aatgggcaca	agggctggaa
120241	ctggacctca	ggtgagggct	gggggtggga	ggaaaggagg	gatttggaa	tgaagggtgtg
120301	tgggtgtgga	acagggtgtg	gacattttgg	ggttgtagg	ctggcagaat	cagagacctg
120361	ttggggccca	gtggctaaag	gtcttccctc	ttccctacag	ggtctaacaa	gtgccagggtg
120421	gcagctgcct	gactaccttt	ccatctctac	ttctctacac	ccactgcctc	gtgcagtga
120481	atctggactc	actcctacag	ggtcagcaac	tacaaccgag	ggagcagccg	ctgcatccag
120541	atgtggttcg	acctggccca	gggcaacccc	aatgaggagg	tggcaagctt	ctatgctgca
120601	gctctgagtg	gggctgggccc	ctgggagacc	tggcctctcc	tgtctaacct	ggccctaatg
120661	ctgctgtggc	tgtctcagctg	acctcctttt	acctctctgat	acttggacat	ccctgccctg
120721	tttagcccca	cagctcccaa	ctatttggtt	cctcttctat	ggtcttgtct	ctgacagcca
120781	tttgaataaa	accagacacc	acacattgtat	cttgagaatt	atttgggtat	aatggggaat
120841	gtggctgttt	tgtttcccat	ttcttattga	ttgaagccag	ttagactggg	ctagttccca
120901	gctctgatgc	ttgctatgaa	ctagcctgat	acttaagtat	tcttctaagg	taggagacat
120961	ttgtagctct	cgattttatt	attcactata	gtcctaattt	agagccaagc	ccaggcattt
121021	ttcttttttt	gagacagggt	ctcactctct	caccaggtt	ggaatggagt	ggcatgactc
121081	cagctcactg	caacgtctgc	ctcgtgggct	caagtgatcc	tcccacctca	gcatcccaa
121141	tacttgggac	tacaagcatg	tgccaccaca	cctggctaatt	ttttcaattt	ttttagaga
121201	ggaaatcttg	caatgtttgc	cagggtgggtc	tcaaactact	gggctcaagc	aatcctccta
121261	cctaagcctc	ctgagttagct	gggtctacag	gtgtgagcct	ccacattcag	ctaatacata
121321	taataataaaa	catgtattat	atatgtaata	gtagagacag	ggtctcacta	ttttaccag
121381	gttgttctca	aactcctcg	ctggagtgat	cctcccaaaa	tgtctgggatt	acaggcatga
121441	gtcactgcat	ctggccacaa	gtcatgttta	tttcttctgc	aagctacaat	gctgaatgtg
121501	ggttatcagg	gggatttctg	ttatttctca	ttcctggact	acattagcag	ccaggggggt
121561	ctgcttctca	ctcaagaacc	cacgctgatg	gaggctccat	cttccatgag	acaggaagag
121621	ggaacttggc	aaattccata	aggctcttca	aatttccacc	catcacttat	ttcattggcc
121681	aaatcaagtc	atgagcatgc	ctaaattcaa	gaaagccagg	aaaacataat	cctatcatgt
121741	acttgcaagg	agaggggaat	cacaagggtt	gcaacagacc	taatcatgag	taaaaagact
121801	tcattatttt	ctcgtagatt	tctgtttctg	gcatgggtcat	agttacaaat	ttatttttt
121861	ggttagatcc	tagtaagaag	gaggaccaac	tctctatata	tatgcaataa	actacatcaa
121921	cctgaaaagt	ggagcaatcc	actgatgacc	gccctggcta	gtcttgttaa	caaggccaat
121981	tgttgccttt	tcgcccctca	tttatttcta	tttattattt	ttattttttg	agacagggtc
122041	tccttctgtt	gctcaggctg	gagtgcagtg	gcacagtcac	ggctcactgc	agtcttgacc
122101	tcctgagctc	aattgatccc	tcaactttag	cctcccaagt	agctgggact	acaggcacat
122161	gccaaccatg	tgggcaaatg	ttttgtattt	tttttgtaga	gatgggggtt	tgccatgttg
122221	cccaagctgg	tcttgaactg	ctgcgcccac	gtgattcatt	caccacctt	gacctcttaa
122281	atgtctggga	ttagaggcgt	gagacacctc	tgccagccca	ctgatttctt	ttttgaaccg
122341	aaagcatagt	tgatcaatgc	aaaagcta	aattggatat	taacaaaatt	caaaactctt
122401	gcactttaaa	agacaccctt	aagaaaatta	aaaaacaagc	aacagactgg	aaggaaatat
122461	ttgcaaacac	atctgataaa	ggatctgtat	ccataaaaata	caaagaacac	ttacaactca
122521	gtaacaagaa	ggcagacaa	ccaatcaaat	aatgggcaaa	agaaatgaac	aaatatgtca

FIGURE 4-HH

122581	ttaaagaagg	tacacaaatt	atgaatagtt	acacgaaaag	atgctcaaca	ttattaatca
122641	ttagaaaaat	ggaaactaaa	accatagtg	tagacggttt	tatacctact	agaatggcaa
122701	taataataat	gataggcaat	aacaagcatt	ggcaaggatg	tggagaaatg	ggaaccctca
122761	cacagtgtcg	gtggggatgt	aaaatggtag	agcccttcgg	aaaacagtgt	ggcagtttct
122821	caaaaagtta	aatgtaaaac	tgccatacaa	cccaaaattc	cactcccagg	tgtctactca
122881	ggagaaacga	aaacaaacat	aacaaaactt	aaatatgaat	attaataata	atcatattta
122941	tgtatgtaaa	tatgatgtat	catttatgt	tgtaaatatg	atatatcata	ttatgtatca
123001	ttatatataa	tagccccaag	ctggcaataa	cctaaatttt	tagcagctgg	tgagttagata
123061	gacaaaatgt	ggtgaatcca	tacaatagaa	gactgtgcag	caatgaaacg	tgatgacaca
123121	tgctatgtcg	tggatgagcg	tcaaaaacat	tatgttaagt	gaaagaagcc	agacctaaga
123181	ggcttcatgt	ggcatgattt	cacttacatg	aaatgtgcag	ggaaggcaaa	tttatagagg
123241	cagaaagtag	attagtagtt	gcctggggct	ggaagtgaca	acagggatta	attgtaaatg
123301	ggcatgaggg	gggataagaa	ttgaggggat	gattctgagt	ttctgtgggg	tgatgccatg
123361	agggaaagta	ttctaaggaa	attggcatgt	ggctccataa	aaatctatca	tctgagacaa
123421	actccattcc	catcatgaac	tttaaaatat	tggttggaa	ccaagcatgg	tggtctatac
123481	ctgtaattcc	agcactttgg	gaggccaagg	caggtagatc	acttgagcca	gggattctag
123541	aacacgttgg	gcaacatggg	gaaaccccgt	ctctacataa	aaatacaaaa	aatttgcgcc
123601	agtgtggtgg	tccacgcctg	tagtcctagc	tatgcaggaa	gctgagatgg	gaggatctct
123661	ttagctcagg	aggtagaggg	tgtagtgggc	tatgactgtg	ccactgcagt	ccagcctggg
123721	ttgatagagt	gagaccctgt	ctcaaaaaaa	aaaaaaaaaa	aaaataggaa	ttgctggatg
123781	gtaatgttgt	aggagtttct	cctcagttca	gccaaagaca	gggtccttgt	cactggcca
123841	tgaaatatta	ggcttgcaga	cactttgaag	ggtgagaaaa	atggaattta	ttgggcaaaa
123901	aaaaaaagcg	gggaaacggg	gaccctcggc	agagtgagag	tcctgctagt	acacgcttcc
123961	cacctctcag	gttgaatccc	aggttccacc	ctggaagagg	aggggccagg	ctcctcagca
124021	cgaacttcca	gaggctccac	cccagtgcac	attcctccca	gtgtgcgggt	ttgtcagagg
124081	ttctctgggg	acccctttac	acttggctgt	ctcattcccc	cctctcaaga	agtacatcaa
124141	actactgtta	gaacaaggat	aggggtgagg	acgaagaccg	atctaaactg	cttctgcta
124201	acagggagcg	gtgttttggg	aaacggcagt	cagagctccc	tcagaagcct	atctaagggt
124261	tcccggcaga	aggcgccatc	ttccgaggct	ccggttgcac	gaccatttgg	acgtttgtgg
124321	cctgaaggca	agaggagaaa	aaccagggtta	ttagaaaaca	tgtgttaaaa	cgaaacaagg
124381	gagggttaagg	acagcttaaa	atccctaggg	cttttaccag	tttgcacagg	gagagggaaa
124441	ccaaaagccc	gactggtaaa	aaaaacttta	cccttttgcc	agcatgtcat	gcttgtgggt
124501	tcccttctct	tgagcccaat	cctaagccaa	ccagctgaag	gtttgggaaa	ttactctttt
124561	ccagtttggg	ggatgcatct	gaggggagtg	tcctatagta	caaagacaca	attacctatt
124621	agtgaagaga	agacagtggg	gaagaaagga	aaaaaaagtg	ctttttaaag	gagtcacagg
124681	ggttcagcat	gcattcaaaa	gggttacaga	gtgaagatga	atggctaccc	atctagaaag
124741	tccggagcag	gcattccctgt	ctcctatctc	tttctagcag	ataccagggg	tacatgaggg
124801	agagaaggaa	gagcgtcctc	tttccctctt	ctgtccttgc	atacccaagt	cctggtgacc
124861	ttggcaggtg	ctgccatggg	tgccacagca	gcttgacccc	atgaagcagg	gagtacctag
124921	agaataggaa	ttatcagcca	gactcagttg	ctcacgcctg	tacaacccag	caccttggga
124981	ggcctaggtg	ggcagatcat	gatttcagga	gtttgagacc	agcctggcca	acatggtgaa
125041	accccgctct	tactaaaaat	acaaaactta	gctgggtgtg	gtggtgcatg	cctgtagtcc
125101	cagctactcg	ggaggctgag	gcaggagaat	cacttgggtc	caggaggcaa	aggttgcagt
125161	gagccaagat	cacaccactg	cactccagcc	tgggcaacag	agtaagactc	catctcgggg
125221	aaaaaaaaag	agagaatagg	aattatccgc	tcttacctat	gtttctatac	cccctacagt
125281	cagtagtctt	ggagtcttct	agacctcatt	tatgctgtgg	ggaaaagcaa	gagagatcag
125341	attgttactc	tgtctgtgta	gaaagaagta	gacataggag	actccatttt	gttatgtact
125401	aagaaaaatt	cttctgcctt	gagattctgt	taatctataa	ccttaccccc	aacctgtgct
125461	tctctgaaac	atgtgctgtg	tcaactcaga	gttgaatgga	ttaaggcgcg	tgcaagatgt
125521	gctttgttaa	acagatgctt	gagggcagca	tgctccttaa	gagtcacac	cactccctaa
125581	tctcaagtac	ccagggacac	aaaaactgcg	gaaggccgca	gggacctctg	cctaggaaaa
125641	ccagatattg	tccaaggttt	ctccccatgt	gatagtctga	aatatggcct	cgtgggaagg
125701	gaaagacctg	accgtcccc	agccccagac	ccgtaaaagg	tctgtgctga	ggaggattag
125761	taaaagagga	aggaatgcct	cttgacgttg	agacaagagg	aaggcatctg	tctcctgcct
125821	gtccctgggc	aatggaatgt	ctcgggtata	aacccgattg	tatgctccat	ctactgagat
125881	agggaaaaac	cgctttaggg	ctggagggtg	gacctgcggg	cagcaatact	gctttgtaaa
125941	gcattgagat	gtttatgtgt	atgcatatct	aaaagcacag	cacttaatcc	tttaccattgt
126001	ctatgatgca	aagacctttg	ttcacgtgtt	tgtctgctga	ccctctcccc	acaattgtct
126061	tgtgaccctg	acacatcccc	ctctttgaga	aacaccacac	gatgatcaat	aaataactag
126121	ggaactcaga	ggctggcggg	atccttcata	tgctgaacgc	tggttccccg	ggccccctta
126181	ttcttttctc	tatactttgt	ctctgtgtct	ttttcttttc	caaatctctc	gtccccactt
126241	acgagaaaca	cccacagggtg	tgtaggggca	acccaccctt	acatatgcca	tggatactag

FIGURE 4-II

126301	catgaccttt	atccatgaaa	tgggaggcct	ggcttgattg	gcaggaatta	gccatgctca
126361	cttgacgcga	ctgtgccttt	tttttttttt	tttttttttt	tttttttgag	acagagtctc
126421	gctctgttgc	caggctgaag	tgcaagtggag	tgaactcggc	tcaactgcaac	ctccgactcc
126481	ctggttcaag	tgattctcct	gcctcagcct	cctgagtagc	tgggattaca	ggcagcgacc
126541	accatgccca	gctaattttt	gtattttttt	tttcgagatg	gagtcttgct	ctgtcgccca
126601	gtctggagtg	cagtggcatg	atctcagctc	actgcaacct	ccacctccca	gttcaagcga
126661	ttctcctgcc	tctacctccc	aagtagctag	gattacaggt	gcatgccacc	atgcctggct
126721	aatttttcta	tatttagtag	agacgggggt	tcaccgtgtt	tgccaggatg	gtcccgatct
126781	cctgacctca	tgatctgccc	gccttggcct	cccaaagtgc	tgggattaca	gggtgagacc
126841	actgtgcccg	gccttgcact	gtgcctttta	accctgttta	tcatctgcct	ctgaatccct
126901	tagatccagt	tttctttcct	ggggctttga	ctcaaagctt	ggaatagaat	ttgaaacaaa
126961	aatatgtgtc	taggaagggt	tgcatggact	ccttatcata	agccaaatgc	taaggaaggt
127021	gaagctgcag	aatttgagtc	tcctccaaca	agggagagaa	aaagatgtct	tgtgacatgc
127081	ccagataatt	gggtggctata	gttatgtaag	ctaggatttg	gggtgcatgg	gcttggcctt
127141	ggttagctct	tactttccaa	aaaaggaaac	ctccgattaa	tgggcatcct	atttattccc
127201	atcacctggc	aggatttgca	ggataattgc	tcagaactaa	aatatgtatc	cagattttta
127261	cattacccat	cctctccttc	ttcttgagct	gcagctggag	attgtcggtt	ggttcacagg
127321	aacaaggagt	gttagcctaa	aaatgtaggc	aaaaacttaa	acactaatga	ctttagaatt
127381	tattgacaaa	tgtatggtgt	tttgaaacat	aatttctctc	tctccagctc	tcatttttgt
127441	taaaaaagca	aattatggta	ggattgagtt	gtttgcaaaa	tagactttag	tcatatactt
127501	ggcctgatta	tttgcataaa	gtgcagcaag	aataactatt	tctacataag	tcttttagat
127561	tggctttgat	ggaactctgt	tcttcaagga	atttcagaca	aaacgtttta	aaactgagcc
127621	cagccatgga	tttgtatcct	caaatacctg	taagttggat	gatcttctcg	tgtaaggtc
127681	ccatgacaaa	tttggagctc	ctagacctgt	tagaaaagtg	cattcttggc	caggcggtgt
127741	ggctcacacc	tgtaatccta	gcaccttggg	aggccgaggt	ggcggtatga	ccggaggtca
127801	ggagtctcag	accagcctgg	ccaacatggt	gaaacctgt	ctctacttaa	aatacaaaaa
127861	attagctggg	tgtggtggca	agtgcctgta	gtcccagcta	tttgggaaac	tgaggcagga
127921	gaatcacttg	aacctgggag	gcggagggtg	cagtgaagcg	agatcatgcc	actgcactcc
127981	agcttgccga	cagagcaaga	gtctgcctca	aaaaaaaaaa	aaaaagaata	ctcacagata
128041	atttccaaat	tctggagaag	ccaggcagag	agagagaaaa	atatgcttca	aattttgttc
128101	acaggagtgt	agcttactct	agtattaaag	gccttaaaga	gttcaaaaata	attttccttg
128161	actctgagaa	acaaaacaag	gatcagcaat	attccaagca	aaagtcaaaa	aggttgcttc
128221	agctttctga	gttcagtcct	ttcagttcct	gttatgcttg	atattcgtga	acatttttagc
128281	tcttcatgag	tctgtacat	tttcccttat	tccaatatca	cagtctccaa	agttatcaga
128341	aacctgtatt	tgagagcacc	tgtcagagtc	ctatagctta	ttacaaacca	actttatttt
128401	tttttgagac	aggatcttgc	tctgttgccc	aagctggaat	gcagtgggtga	gatcttggct
128461	cactgcaacc	tcacacctct	ggattccaagc	gattctcctg	ccccaacatc	ctgagtatgt
128521	gggattacag	gtatgtgcca	ccatgcccgg	ctaatttttg	tatttttttt	tttttagtag
128581	agatgggggt	ttaccatgtt	gaccagggtg	gttttgaaact	cctgacctca	ggtgataccc
128641	ctgacttggc	cttccaaagt	gctgggatta	aagggtgtgag	ccactgcacc	cagccggatc
128701	aggcactttt	aacttgaaaa	catgaagttc	tctttcctaa	cttttttctt	tctttctttt
128761	tttttttttt	ttccgagaca	ggatctcact	ctgtcaccca	ggctggagtg	cagggatgcc
128821	atcacagctc	actgcagccc	tgacctcctg	ggctcaagca	atcctcccag	ctcatcctcc
128881	caaatggctg	ggactatagg	cttagaccac	catacccaac	taatttttgt	atttttgtgt
128941	gaagatgagg	tctccctatg	tttcccaggc	tggctcttgat	ctcctgggct	caagcaatcc
129001	atcagccttg	gcctcccaaa	gcactgggat	tataggcatg	agccaccaag	gacggccccc
129061	taatgttttt	tatattggct	aatgagcttt	aagtttatac	atacaaggca	taaagaaata
129121	actttaaagt	tatgttatta	gatgtacagt	gatatgattt	agctctgtgt	ccccacccaa
129181	gtctcatctt	gtagctccca	taactcccat	gtgttggtga	agggacctgg	tgggagatga
129241	ttgaatcgtg	gaggtgggtc	tttcccgtgc	tgttctcatg	ataatgaatg	ggtctcacia
129301	gatctgatgg	ttttaaaaac	gggagtttct	ctgcacaagc	tctctctttg	cctgggtgcca
129361	tccacataag	atgtgacttg	cttctccttg	ccttccacca	tgattgtaag	gtctccccag
129421	ccatgtggaa	ctgtaaatcc	aataaacctc	tttcgtaaat	tgccagctct	tgcataatgc
129481	tttatcagca	gcgtgaaaa	agatgaatac	agtaaatgtt	tactgggagt	ggggcattgc
129541	tgaaaagata	cccaaaaatg	tggagcgac	tttggaactg	gggaacaggc	agaggttgga
129601	acagtttgga	gcgctcagat	gaagacagga	aaatgtggga	aagtctggag	cttccctagag
129661	acttggtgaa	gggcttgac	caaaagcctg	atagtgat	ggacaataag	gtccaggctg
129721	aggtggctct	agatgaagat	gaggaacttg	ttgggaactg	gagcaaaagt	aactcttgta
129781	tgtttttagca	aagagactgg	cagcattttg	tccctgccct	agagatttgc	agaactttga
129841	actcgagaga	gatggtttag	gctatctggt	ggaagaaatt	tgtttattat	tattattatt
129901	attattatta	tttattattat	tttgagatag	agtctcactc	tgtcacccag	gccagaggac
129961	agtagcgtga	ccttggctca	ctgcaacctt	cgctcctga	gttcaagcgt	ttctcatgtc

FIGURE 4-JJ

130021	tcggcctccc	aagcagctga	gataacaggc	atgtgcctcc	atgcctggct	aatttttgta
130081	ttttagaaga	gacagggatt	caccacattg	gccaggctgg	tctcaaactc	ctgacctcaa
130141	atgatccaac	tcagcctcct	gaagtgttgg	aattacaggc	atgagccacc	acacctggct
130201	gcggaagaaa	tttctaagct	gcaaagcatt	caagaggtga	cttgggtgtg	gttaaaggaa
130261	ttcagtttta	taagggaagc	agagaataaa	ggttcagaaa	atttgcagcc	tgacaatgcg
130321	atagaaaaga	aaagccaatt	ttctgaggag	aaattcaagc	cagctgcaga	aatgtgcata
130381	agtaacaaga	ggaacattaa	cccccaatac	aatggggaaa	atgtctccag	ggcatgtcag
130441	aggtcttctt	ggcagcccct	cccatcacag	gccagaggc	ctaggagaaa	tggttccgtg
130501	ggccaggctc	agggcccccg	tgctgtatgt	agcctaggg	cttgggtgcct	tgtgtcccg
130561	ctgctccagc	catggctgaa	aggggccaac	atagagctta	ggccatggct	gcagaggggtg
130621	aaagccccag	tccttggcag	cttccacgtg	gtattgagct	tgcaagtga	cagaagtcaa
130681	gaattggggg	ttgggaacct	ccacctagat	ttcagaagat	gtatggaaa	gcctggatgc
130741	ccaggcagaa	gtttgctgca	gggggtgggt	gctcatggag	aacctctgct	agggcagggc
130801	ggaaggga	tgtggggttg	gagctcccac	acagagtcct	tactggggca	ctgcctagggtg
130861	cagctgtgag	aagagggcca	ttgtcctcta	gccccagaa	tggtagatcc	actgacagct
130921	tgcactgttt	gcctggaaaa	gctgcagaca	ctcaatgcca	gcctgtgaaa	gcagccggga
130981	gggaggctgt	acactgaaaa	gccacagggg	cggagctgcc	agagaccatg	ggaaccacc
131041	tcttacatta	gtgtgacctg	atatgagaga	tggagtcaaa	ggagatcatt	ttggagcttt
131101	aagatttgac	tgccctgctg	gattttggac	ttgcaggggc	ctgtagcccc	tctgttttgg
131161	ctaatttctc	ccattttgga	gtggctgtat	ttaccaata	cctgtactcc	cattgtatcc
131221	aggaagtaac	taacttgctt	ttgactttac	aggctgatag	gcagaagtgt	cttgcttttt
131281	ctttgctgag	actttggact	gtggactttt	gagttaattc	tgaaatgagt	tgagactttg
131341	ggggactgtt	gggaaggcat	gatttggttt	gaaatgtgaa	gatatgagat	ttgggagggg
131401	acagggatgg	aatgatattg	cttggctgtg	tccccacca	aatctcatct	tgtagctccc
131461	ataattcact	catgttgtgg	gagggacctg	gtgggagatg	attgaatcat	gggggtgggt
131521	ctttcccatg	ttcttgtgag	agtgaatggg	tctcacgaga	tctgatgggt	tttaaaacag
131581	gagtttctct	gcacaagctc	tctctttgcc	tgctgtcatc	cacataagat	gtgacttgct
131641	cctccttgcc	ttctgccatt	attgtgaggt	ctcccagcc	atgtggaact	gtaagtccaa
131701	tgaacctctt	tcttttgtaa	attgctctat	ctcgggtatg	tctttatcat	tcctgaaat
131761	ggactaatac	atacggaat	actcaagaga	gcaagtgtgg	atagcttggg	ttcatgaggt
131821	ttttggtttt	tgtcaaaagc	ataaatgtat	actgaaacta	cccagaaaaa	gcaaagtata
131881	aaacagtatg	ctaccatttg	tgcccataaa	tgggatatgt	gtagtgtaaa	tgcatagaat
131941	ttgaccagat	gtatacccag	agaccagaac	actcagtggc	ctcatgttca	tactttggca
132001	aacacatgta	tagtatcctt	aacttaaatg	taccattggt	gtgtgcattc	tagtgttatt
132061	gacattttaca	tatctattat	caagtcagat	aaatcattct	gtgtctttgt	attttacctt
132121	cctattttgt	atatttatgt	atacatcac	acataccaat	acataattta	ataaggtata
132181	acttcacctg	gtccaaaaat	caaaaacaacg	tagaaagggt	tacagtga	ggtcgcatcc
132241	ctgatgctgt	cctcttcccc	cagggtgatca	ccttattggg	ttcttttcat	acctttcagc
132301	attttctcct	gcaagcacag	atattctaac	tcctcctttt	ttacacagaa	ttttttttta
132361	catagcatte	ttctgcacct	tccttctccc	acttcacaat	gcacatggag	atttttccgt
132421	atttgtacat	caggagcttc	ctcttctttt	gttaccacat	taaattccac	tgggtagatg
132481	taccataatt	taactgggtc	cttattgaaa	gacaattgag	ctgtctccta	gacaaagcct
132541	tgtgcacctt	cccgaacaga	gggtctaacc	aagcaggcag	gatgggggtta	taaagtaggt
132601	ggggaggtgg	gagagactcc	accctcccag	gtgggctgag	gatggaggta	aggccctgca
132661	acaggacaga	gggaaaagtg	gggatgagac	atgggaggcg	agatagcgct	cactgttctc
132721	gctcagcccc	ctcctccatt	tgccgctgac	ctgttggcct	ccccaacct	ctgagcctgc
132781	ctctgcctag	gtaatttccc	aagacccagg	aggggtgaag	ggtgagggtg	gattgcccc
132841	acctccttgc	ctcccgcagc	atctgctcca	ggaccatgaa	caatagctga	cagctccatg
132901	gcccttgctg	tcccctctc	agcttccctg	ggcatctaaa	cctcagttgc	cRtggggtag
132961	gaggacaggc	tgaggaagca	gaagcctgag	gctgtctaga	gtctcactcc	tgcatcagca
133021	ggccaccacc	tgtggttcct	ccttgtgcaa	atgtgagag	aattgcataa	aacactggag
133081	aaatccaaga	ggggaagtcc				

FIGURE 5

>1:23174301-23174600

```
1      agttggctgc cacagcctct gccaaagcttt gtctttgggg cttgctgcag aaacctggcc
61     tacggaagat acgacaccac tgggaggggt gtgtagggtgc caggggacca tcgtggttct
121    ctagggcgct gtggaaattg ggtcttgggc tgggtggcat ctggcagtca tggRtaacac
181    ttgcttttcc agttaatgtg gccatgtgat tccaagtgtc atgttgcttt gtggcaagat
241    tgttgtgtga cttgtttttt tgtttttggt ttgtgttttt taaaggaaac tatttgtggg
```

FIGURE 6-A

NM_000201 [gi:4557877] Homo sapiens intercellular adhesion molecule 1 (CD54), human rhinovirus receptor (ICAM1), mRNA

[illegible]

FIGURE 6-B

NM_001544 [gi:12545400] Homo sapiens intercellular adhesion molecule 4, Landsteiner-Wiener blood group (ICAM4), transcript variant 1, mRNA.

```
ctttttgccatgggggtctctgttccctctgtcgctgctgttttttttggcgggccctacccgggagttgggagcgc
gctgggacgccggactaagcgggcgcaaagccccaagggtagccctctcgcgccctccgggacctcagtgccttct
gggtgcgcatgagcccgagttcgtggctgtgcagccggggaagtcagtcagctcaattgcagcaacagctgtccc
cagccgcagaattccagcctccgcaccccgcctgoggcaaggcaagacgctcagagggccgggttgggtgtcttacca
gctgctcgacgtgagggcctggagctccctcgcgcactgcctcgtgacctgcgcaggaaaaacacgctggggcacct
ccaggatcacccgcctacaaaccgccccacagcgtgattttggagcctccggtcttaaagggcaggaaatacactttg
cgctgccacgtgacgcaggtgttcccgggtgggctacttggtggtgaccctgaggcatggaagccgggtcatctattc
cgaaagcctggagcgcttcaccggcctggatctggccaacgtgaccttgacctacgagtttgctgctggaccccgcg
acttctggcagcccgatctgccacgcgcgcctcaatctcgacggcctggtggtccgcaacagctcggcacccatt
aactgatgctcgcttgagcccgcgcccacagctttggcctccggttccatcgctgcccttgtagggatcctcct
cactgtgggcgctgcgtacctatgcaagtgcctagctatgaagtcccaggcgtaaagggggatgttctatgccggct
gagcgagaaaaagaggaatatgaaacaatctggggaaatggccatacatggtggctgacgcctgtaatcccagcact
ttgggagggccgaggcaggagaatcgcttgagcccaggagttcgagaccagcctggacaacatagtgagaccccgctc
atgcaaaaaatacacaaattagcctggtgtggtggcccgacactgtggtcccagctacccgggagggctgagttggga
ggatcctttgagccctgaaagtcgaggttgagtgagccttgatcgtgccactgcactccagcctgggggacagagc
acgaccctgtctccaaaaataaaaataaaaataaaaataaatattggcgggggaaccctctggaatcaataaaggctt
ccttaaccagc
```

FIGURE 6-C

NM_003259 [gi:12545403] Homo sapiens intercellular adhesion molecule 5, telencephalin (ICAM5), mRNA

ccgtcctctagcccagctcctcggtcgcgctctcctcgccctcctgtgctttccccgcgcgcgatgccagggcct
tcgccagggtcgcgcggcgctactcgccctctgggctgctcgggctggggtccttcggcctctcagcgggtctc
gcaggagcccttctgggaggacctgcagcctcgcgtggcggttcgtggagcgcgggggctcgtgtgggtgaattgca
gcaccaactgccctcgccggagcgcgggtggcctggagacctcgtgcgccgaaacgggagccagaggggttgctg
tggttggcgcgcgagctggtggacattcgcgagccggagactcagcccgtctgcttcttcgctgcgcgcggcgac
actacaggcgcgtgggctcattcgcactttccagcgaccagatcgcgtagagctgatgccgctgcctccctggcagc
cgggtgggcgagaacttcacctgagctgtagggctccccgcgcgggccccgtgcgagcctcacgctgacctgctg
cggggcgcgccaggagctgatccgcgcgagcttcgcgggtgaaccaccccgcgagcgcggggcgcggtgctcacagccac
ggtactggctcggaggaggacctggagccaatttctcgtgtcgcgcgcgagctggacctgcggcgcacggactgg
gactgtttgaaaacagctcgccccccagagagctccgaaccttctccctgtctccgatgccccgcgcctcgtgct
ccccggtccttggaagttggctcggaaaggcccgtagctgacctctggacggactgtttccagcctcagaggccag
ggtctacctcgactgggggaccagaatctgagtcctgatgtcaccctcgaaggggacgcattcgtggccactgcca
cagccacagctagcgcagagcaggagggtgccaggcagctgatctgcaacgtcacccctggggggcgaaaccgggag
accgggagaaacgtgacctctacagcttccccggcaccactcctgacctgagcgaaccagcgtctccgaggggca
gatggtgacagtaacctgcgcagctgggacccaagctctggtcacactggaggagggtccagcgcgggtccccgggc
agcccgcagcttcagctaaatgccaccgagaacgacgacagacgcagcttcttctgcgacgccacctcgtatgtg
gacggggagaccctgatcaagaacaggagcgcagagcttcgtgtcctatacgtccccggttagacgattcggactg
ccccaggagtggagctggccccgagggccccagagcagacgctgcgctgcgagggccgcgggaaccagaacctcag
tgcactgtgcgcgtccgacggcggggcccgtgctggctctgggctgctgggtccagtcactcgggcgtctcaggc
acttaccgctgcaaggcgggccaatgatcaaggcgaggcggtcaaggacgtaacgctaaccggtggagtacgcaccagc
gctggacagcgtgggtgcccagaacgcattacttggctggagggaacagaagcctcgtgagctgtgtggcgacg
gggtaccgcgcgtgatgtgatctgcgtgcgctctggagaactcggggccgtcatcgaggggctgttgctgtggcc
cgggagcatgcgggcaacttaccgctgcgaagccaccaacctcggggctctgcggccaaaatgtggccgtcacgggt
ggaatatggccccagggttgaggagccgagctgccccagcaattggacatgggtggaaggatctgggcgcctgtttt
cctgtgaggtcgatgggaagccacagccaagcgtgaagtgcgtgggtccgggggcgcactgagggggtgctgctg
ccgctggcacccccagaccctagtcccagagctcccagaatccctagagtcctggcaccgggtatctacgtctgcaa
cgccaccaaccgcccggtccgtggccaaaacagtcgtcgtgagcgcggagtcgccaccggagatggatgaatcta
cctgcccagtcaccagacgtggctggaaggggtgaggcttccgcgctggcctgcgcgcgcgggggtgcgccttcc
ccaggagtgcgctgctctcggaaggcatcccatggcctgagcagcagcgcgtgtcccgagaggacgcgggcactta
ccactgtgtggccaccaatgcgcagtggaacggactcccgaccgtcactgtgggctggaataccggccagtgggtg
ccgaacttgcctgcgcctcggagggcgtgcgcgcagaggaaacttcacgttgacctgcgcgcggaggcctgg
cctccagcccagatcagctggcgcgcgccccggggccctcaacatcgccctgtcgagcaacaacagcacactgag
cgtggcaggcgccatgggaagccacggcgggcgagtacgagtgcgcacgcaccaacgcgcacggggcgccacgcgcggc
gcatcacggtgcgcgtggccggtccgtggctatgggtgcgcgtgggcgcgcggcgggggcgcgcgctgctggcc
gcgggggcggcctggccttctacgtgcagtcaccgcctgcaagaaggcgagtagaacgtgcaggaggccgagag
ctcaggcgaggccgtgtgtctcaacggagcggggcgggcggtggcgggcggcagggcgggaggggcgaccgagg
cggcgggggcgcgggccgagtcgcggcgaggggcgaggctctcgccatacagctgacatcggcggtgagccgctccc
ctctccccgcggggcgggggagccccccagactcacacgggggcttatttattgctttatttatttacttattcat
ttatttatgtattcaactccaaggcgctacccccattttctacccatcccctcaataaagtttttataaagga

FIGURE 7

NM_003259 [gi:12545403] Homo sapiens mitogen-activated protein kinase 10 (MAPK10), transcript variant 1, mRNA.

gagaaatggcgtggcaggggacccagcgagccagagggatTTTTGCCGCTGCTTCCTCTACCCCTGTATTTCAcgca
gctctctaaattgactcagctccaggctagtgtgagaaacaccaacagcaggcccatctcagatcttccactatggca
acttatgcaagaaactgttgaattagaccggtttcctatagatgagaaaccatacaagctgtgggtatTTATgagcct
ccattttcttatactactgcagtgaaccaacattggatgtgaaaattgcctTTTgtcagggattcgataaacaagtgg
atgtgtcatatattgccaaacattacaacatgagcaaaagcaaagttgacaaccagttctacagtggtgaagtggga
gactcaaccttcacagttctcaagcgctaccagaatctaaagcctattggctctggggctcagggcatagtttgtgc
cgcgatgatgctgtccttgacagaaatgtggccattaagaagctcagcagaccctttcagaaccaaacacatgcc
agagagcgtaccgggagctggtcctcatgaagtgtgtgaaccataaaaaacattattagtttattaaatgtcttcaca
ccccagaaaacgctggaggagttccaagatgtttacttagtaatggaactgatggatgccaaacttatgtcaagtgat
tcagatggaattagaccatgagcgaatgtcttacctgctgtaccaaatgttggtgtggcattaagcacctccattctg
ctggaattattcacagggattttaaaccagtaaacattgttagtcaagctctgattgcacattgaaaatcctggacttt
ggactggccaggacagcaggcacaagcttcatgatgactccatatgtggtgacacgttattacagagcccctgaggt
catcctggggatgggctacaaggagaacgtggatatatggtctgtgggatgcattatgggagaaatgggttcgccaca
aaatcctctttccaggaagggactatattgaccagtggaataaggtaattgaacaactaggaacaccatgtccagaa
ttcatgaagaaattgcaaccacagtaagaaactatgtggagaatcggcccaagtatgctgggactcaccttccccaa
actcttcccagattccctcttcccagcggactccgagcacaataaaactcaaagccagccaagccagggacttgttgt
caaagatgctagtgttgacccagcaaaaagaatatcagtggacgcgccttacagcatccctacatcaacgtctgg
tatgaccagccgaagtggaggcgctccacctcagatatatgacaagcagttggatgaaagagaacacacaattga
agaatggaaagaacttatctacaaggaagtaatgaattcagaagaaaagactaaaaatgggtgtagtaaaaggacagc
cttctccttcagcacaggtgcagcagtgaaacagcagtgagagctctccctccatcctcgtctgtcaatgacatctcct
ccatgtccaccgaccagaccctggcatctgacactgacagcagcctggaagcctcggcaggacccctgggttgttgc
agggtgactagccgctgctgcaaaaccagcggttcttcaggagatgatgtgatggaacacacacacgcagacac
acacacacacacaaatgcagacacacaacatcaagaaaacagcaaggaggagagaatccaagcctaaaattaaataaat
ctttcagcctgcttcttccccaggggttctgtattgcagctaagctcaaattgtatatttaacttctagttgctcttgc
tttgggtcttctccaatgatgcttactacagaaagcaaatcagacacaattagagaagccttttccataaagtgtaa
ttttaatggctgcaaaaccggcaacctgtaactgcccttttaaatggcatgacaaggtgtgcagtgcccccatccag
catgtgtgtgtctctatcttgcacatctacctgctccttggcctagtcagatggatgtagatacagatccgcagtgtgc
tgtattcatacagcactacttacttagagatgctactgtcagtgctcctcagggctctaccaagacataatgcactgg
ggtaccacatggtccatttcatgtgatctattactctgacataaaaccatctgtaatatattgccagtatataagct
gttttagtttgttaattgattaaactgtatgtcttataagaaaaacatgtaaaggggggaatatatggggggagtgagct
ctctcagacccttgaagatgtagcttccaaatttgaatggattaaatggcacctgtatacca

Other isoforms are isoform 2 (NM_138982); isoform 3 (NM_138980); isoform 4 (NM_138981)

FIGURE 8-A

NM_015078: KIAA0861

ttgggcggagatgcctttaaaaaatcatccaccgcagcggtagaaacagttttgtttggcctttatttatacggaaatgggt
tttcagtgaatgctgtcttgctttaaaagaagagatgcctccccaggagctcaccgcggcactggccacagtgatcactc
atgtcgatgaaattatgcagcaggaagtgcagacccctgatggcgggtggagataatagaacaacttcacagacaatttgcc
attctttcaggaggccgaggggaggtatggcgccccatcatcacgttcccagagttttcgggggttcaaacacatcccaga
tgaagacttctgaatgtcatgacctacctgactagcatccccagtggtggaggctgccagcattggattcattgtgttta
tcgacagacgaagagacaagtggagctccgtaaaaggcatccttgacacgaatagctgtggcatttccaggaaacttacag
ctcatattcatccttcgtccatctcgctttatccagaggacattcactgacattggcattaaatactatcgaaatgagtt
taaaacgaaagtgccgatcatcatggtaaactctgtctctgaccttcacggctacatcgacaaaagccaactgacccggg
aattaggggggacttttgaatatcgccacggtcagtggtgtaaatcaccgcactgccatcgaaaactttgccttgaccttg
aagaccactgccagatgctgcagacgtttgggtcctgacctggccacagcagagctgccagaagcatgctatccacgga
agaccttctcatgtcccacacaaggcagcgggacaagctgcaggatgagctgaaattacttggaaagcaggggaccacat
tgctgtcatgcatccaagaaccagcaaccaaatgtcccaacagcaaaactcaatctcaaccaacttgagaatgtaactacc
atggaaaggttattagttaactggatgaaacagaaaaagcctttagtcaacttttggctctgagcatcatctgaagcttaa
ccagtgcctacaactacagcattttgagcacgatttttgaaggctaagcttgcctgggataatttgcctggaagagcaag
cagagtttacaggcattggagacagcgtgatgcagctggagcagattcttaaggaaacacaaaaaactggaggaaaaaagc
caggagccccctgaaaaaggccagctgctggcactggttggggaccagctcatccaaagccaccattatgcagcagatgc
catcaggccccggtgtgtggagctcaggcacctctgtgacgatttcatcaatgaaacaagaaaaaatgggacatttttag
gaaagtccttagagtttcatagacagctggacaaggtcagccaatgggtgtgaggcaggaatctacctcttggcttcccaa
gctgtagacaagtgccagctctcgagaaggggttgatatcgccctgaacgacatttgcgacatttctgggcacagtcgaagga
gtaccctgtgctcagccccaaaggattttacaacgagtttgagttgctgctcacctcagtgcaaaaggccaaagcccaga
aagttttgcagaggctggatgatgtccaggaaatatttcacaagaggcaagtgaagtctgatgaaactggcagccaaacag
actcgtccagtgcaacctgtggccccacatcctgagcttccacaaaaatgggtgtcatcaaaaaccagccagccctccac
ctcgggtccctctagctcgtcctctgagaacgtctgaggaaccttatacggagacagagttgaactcccggggaaaggag
atgatgagactaaaatttgaagtcaagagtgaagaaatctttgaaagccatcatgaaagggggaaccctgagctggagcag
caggccaggctcgggagacctttccccccgcaggcgcattatacgtgacttgcctgagactgaagagatttacataaaaaga
gattaaaagcataattgatggatatactactccaatggattttatttggctaaagcatctaattccagatgttcttcaga
ataacaaggactttctctttgggaatattagagaactttacgaatttcacaacaggacttttctaaaagagttggaaaag
tgtgctgagaacctgaacttctggcacattgctttctcaagagaaaagaagatcttcagatataattttaataaccataa
gaatctgccccgagctagggcaatctggcaagagtgtcaagactgcgcctactttggggatgccagcgccaactggatc
acaatctccctcttttaagtatctcaaaggaccaagcagagacttataaaaataccagatgctgttggaagggtctgctg
gatttcgagctcctgaaagatatggagatagaccagggtgaactaggaggctcggctaaggatgggccaagagaaccaa
agattcagcatttcaactgaactacaacaagctttggcagtgatagaggatttgatcaagtctgtgagttggctgtgg
acctagcagcagtgactgaatgtccggacgatattggaaaactaggcaagctgttgctgcacggccctttcagcgtctgg
acaattcacaaggatcgttataaaaatgaaggatttgattcgatttaaaccagccagaggcaaatctacctatttgaaag
gggaatagtgttctgtaagatacgaatggagcctggggaccagggtattatctcctcattacagcttcaagaagaccatga
agctgatgacactttcaattcgccagcttggaaaggggagccatagaaaagtttgagattgccagtcgaaatggacttgag
aaatacatcctgcaggcagcttcaaaagaaatcagagactgttgggttttcagaaaataagtaaattattgatggaacaaca
aaataatatcaaaagccaaggaatccacagtttgaaatgggacacgagcaaaaggcagtgaggcaggatccggacctatgga
ttaaaaatatgaaagagctaccactagcaaggaagaccgcgctccagcacaggagggttaaaaggctgctccagcagg
gagtttagctccatggacacctttgaagactgtgaaggcgcagaagacatggaaaaggagagcagtgctctgagctctgc
gggccttttccagtcggacgacagtcacgaaacctgttccctccaaatctgctttcctggagagggggagaaagcagccagg
gagaaaaagaagaacgcgatgaggaggaacggcgaccgcagcaccgaggaggagcgcgctggggcgtccacgggcccgg
ctggctcctgcgggggcgacggctggtttccaggcgagggcgctgcgcccagggacctccgcccaggagagctgacctcc
ctgcggacgcccccgctcctcggtccagagcgcccgacttcccggaagaggcggtgtggggggccggccctgccagc
tacgcagaagcagcgcgagcctcggcggcgagaaaggcgacaaccagggcctcctccgagagagcccgagggtgtcc
tgggtgcgcgctgactccgcacgggggacctcgagctgctctaaggcgctgcagaggcgagcagagcccgagccca
cgcttctcgcacgcgcaacttcgacattcgagcgccggcaattctttgctgcgtgggttctctgtgctcccacggtagg
atgttttagtagacccctggcctctaccactaggtgccaggaatgcgccaccccatcctccaccccgcccccaaatcgt
gacaatcaaaaatgcctgcagacacgcccgcatttctccaggcggggtgggaatcggttgagagccgcttagcccgagc

FIGURE 8-B

cttgaggagccggagccgctcaaaccggcgggggccgcagactgggagctcccgggtccgcctcccagcatccctgcga
gcgttcacatgggggtgttcgtgttagtgccaagattgcttcgttgtagagagagttcgttccaagttactttctgaggtatt
ttatgtatcgatttatttagtttttaaagagttttgttagtttcagttgtattttatttttagttttattagttgatttt
catttccttgtagctttctggttatttaattttatagtttcagttactggtttatagtactttattttcaaagttattt
agttgttcattttcagttatttatatgtagttgtttgttttaggagttacagatgttcaaattaatttgcttggaattt
atttattttattttattttatttttcgagacggagtcctcgctctgtcgccaggctggagtgagtggtgtgatctcgg
ctcactgcaaaccgcctcccgggttcacgccattctcctgcctcagcctcctgagtagctgggactacaggcgcccgcca
ccacgcccggctaattttttatttggttttttagtagagacggggtttccccgtgttagccaggatggtctcgatctcct
gacctcgtgatccccctgcctcggcctcccaaagtgtgggattacaggcgtgagccaccgcgccagccggaatttatt
tttaattatctttacaattattatctgagttatttaccttcatagttatttcactttatcttattggagttttgagtta
tttatttttacagtaacttatttgactattaaacactcactggaagttcatg

FIGURE 9-A

NM_006185 [gi:5453819] Homo sapiens nuclear mitotic apparatus protein 1 (NUMA1), mRNA.

gccacgaagaggtacgattccggagaatcgcgaggcagagcgggagcgcgcagccaggtggaaactaattctaagccag
actgctggagatcaccctgttctagtgtgtggaggctccaccaggagctctggagtgaatggcacgatctcggtcact
gcaacctccacctcccaggttcaagcgatttctctgctcagctcccaagtagctgggattacaggcgcatctggagtga
ctgtctggcatcaccaagatgacactccacgccaccgggggctgcactcctctcttgggtgaacagctctacacgtggc
tgacctgtggaggctgtgctgcagctccaggactgcagcatcttcatcaagatcattgacagaatccatggcactgaag
agggacagcaaatcttgaagcagccgggtgtcagagagactggactttgtgtgcagtttctgcagaaaaatcgaaaacat
ccctcttccccagaatgcctggtatctgcacagaagggtgctagaggatcagagctggaactggcgaagatgacctgct
gctcttataccactctaccatgagctccaaaagtcccagggactgggaacagtttgaatataaaattcaggctgagttgg
ctgtcattcttaaatttgtgctggaccatgaggacgggctaaaccttaatgaggacctagagaacttctacagaaagct
cctgtgccttctacctgttctagcacattccctgaagagctctccccacctagccaccaggccaagaggaggattcgctt
cctagagctacagaaggttgctcctcttccagtggggaacaacttctctcaggttctccagcttctcccatgggtgata
tcctgcagacccacagttccagatgagacggctgaagaagcagcttgctgatgagagaagtaatagggatgagctggag
ctggagctagctgagaaccgcaagctcctcaccgagaaggatgcacagatagccatgatgcagcagcgcattgaccgct
agcctgctgaatgagaagcaggcggccagccactggagcccaaggagcttgaggagctgctgacaagaatgagagcc
ttaccatgcggtgcatgaaaccctgaagcagtgccaggacctgaagacagagaagagccagatggatcgcaaaatcaac
cagcttccggaggagaatggagaccttctcttaagctgcgggagtttgccagtcattctgcagcagctacaggatgcct
caatgagctgacggaggagcacagcaaggccactcaggagtggttagagaagcaggcccagctggagaaggagctcagcg
cagccctgcaggacaagaaatgccttgaagagaagaacgaaatccttcagggaactttcacagctggaagaacacttg
tcccagctgaggataaaccaccccaggagaagggcgaggtgctgggtgatgtctgcagctggaaaccttgaagcaaga
ggcagccactcttgctgcaacaacacacagctccaagccagggtagagatgctggagactgagcggaggccagcaggaag
ccaagctgcttgctgagcggggccacttcgaagaagaaaagcagcagctgcttagcctgatcactgacctgcagagctcc
atctccaacctcagccaggccaaggaaagagctggagcaggcctccaggctcatggggccgggttgactgcccagggtggc
ctctctgacctctgagctcaccacactcaatgccaccatccagcaacaggatcaagaactggctggcctgaagcagcagg
ccaaagagaagcaggcccagctagcacagacctccaacagcaagaacaggcctcccaggggcctccgccaccagggtggag
cagctaagcagtagcctgaagcagaaggagcagcagttgaaggaggtagcggagaagcaggaggcaactaggcaggacca
tgcccagcaactggccactgctgcagaggagcagagggcctccttaaggagcgggatgcggctctcaagcagctggagg
cactggagaaggagaaggctgccaagctggagattctgcagcagcaacttcagggtggctaataagcccgggacagtgcc
cagacctcagtgacacaggcccagcgggagaaggcagagctgagccggaagggtggaggaaactccaggcctgtgtgagac
agcccggcaggaaacagcatgaggcccaggcccagggtgcagagctagagttgcagctgcgggtctgagcagcaaaaagcaa
ctgagaaaagaaagggtggcccaggagaaggaccagctccaggagcagctccaggccctcaaaagagtccttgaaggtcacc
aaggggcagccttgaagaggagaagcgcagggtgagatgccttgaagagcagcagcgttgtatctctgagctgaaggc
agagacccgaagcctggtggagcagcataagcgggaacgaaaggagctggaagaagagagggtggcgcaaggggtgg
aggctcgattactgagcttggggaggcccatcaggctgagactgaagtcctgcggcgggagctggcagaggccatggct
gcccagcacacagctgagagtgagtgtagcagctcgtcaaagaagtagctgcctggcgtgacgggtatgaggatagcca
gcaagaggaggcacagtatggcgccatgttccaggaaacagctgatgactttgaaggaggaatgtgagaaggcccgcagg
agctgcaggaggcaaggagaagggtggcaggcatagaatcccacagcagctccagataagccggcagcagaaacta
gctgagctccatgccaaacctggccagagcactccagcaggtccaagagaaggaaagtcaggggccagaagcttgcatga
cctctccactctgcaggaaaagatggctgccaccagcaaaagggtggcccgttgagaccttggtgcgcaaggcagggtg
agcagcaggaaacagcctcccgggagttagtcaaggagcctgcgagggcaggagacagacagcccagtggtggaagag
caacaggggacgccagttctgcagcacacaggcagcgtgcaggctatggagcgggaggcagagcagatgggcaatgagct
ggaacggctgcgggcccgcgtgatggagagccaggggcagcagcaggaggagcgtgggcagcaggaaggagggtggcgc
ggctgaccagaggagcggggccgtgccaggctgaccttgccctggagaaggcggccagagcagagcttgagatgggctg
cagaacgccctcaacgagcagcgtgtgagttcgctaccctgcaagaggcactggctcatgccctgacggaaaagggaag
caaggaccaggagttggccaagctctgtggttgaggcagcagataaaaagagctggaacttcggcaaacctgtga
agcaactgaaggaaacagctggctaagaaaagaaaaggacgcacatctggctcaggagcccaatctgaggctgctggcagg
acagagccaacaggccccaagctggaagcactgcgggcagaggtgagcaagctggaacagcaatgccagaagcagcagga
gcaggctgacagcctggaacgcagcctcgaggctgagcgggctcccgggctgagcgggacagtgctctggagactctgc

FIGURE 9-B

agggccagtttagaggagaaggccccaggagctagggcacagtcagagtgcccttagcctcggcccaacgggagttggctgcc
ttccgcaccaaggtacaagaccacagcaaggctgaagatgagtggaaggccccaggtggcccggggcccggcaagaggctga
gaggaaaaatagcctcatcagcagcttggaggaggaggtgtccatcctgaatcgccaggtcctggagaaggagggggaga
gcaaggagttgaagcggctgggtgatggccgagtcagagaagagccagaagctggaggagagctgagcctgctgcaggcag
agacagccagcaacagtgccagagctgcagaacgcagctctgctctgcgggaggaggtgcagagcctccgggagggaggc
tgagaaacagcgggtggcttcagagaacctgcggcaggagctgacctcacaggctgagcgtgcggaggagctgggccaag
aattgaaggcgtggcaggagaagtcttccagaaagagcaggccctctccaccctgcagctcgagcacaccagcacacag
gccctgggtgagtgagctgctgccagctaagcacctctgccagcagctgcaggccgagcaggccgctgccgagaaacgcc
ccgtgaggagctggagcagagcaagcaggccgctgggggactgcgggcagagctgctgcgggcccagcgggagcttgggg
agctgattcctctgcggcagaaggtggcagagcaggagcgaacagctcagcagctgcgggcagagaaggccagctatgca
gagcagctgagcatgctgaagaaggcgcattggcctgctggcagaggagaaccgggggctgggtgagcgggccaaccttg
ccggcagtttctggaagtgaggttggaaccaggccgggaaaagtatgtccaagagttggcagccgtacgtgctgatgctg
agaccctgctggctgaggtgcagcgagaagcacagagcactgcccgggagctggaggtgatgactgccaagtatgaggg
gccaaggtcaaggtcctggaggagaggcagcgggtccaggaaagagaggcagaaactcactgccaggtggaagaactgag
taagaaactggctgactctgaccaagccagcaaggtgcagcagcagaagctgaaggctgtccaggctcaggaggcgaga
gccagcaggaggcccagcgttccaggcccagctgaatgaactgcaagcccagttgagccagaaggagcaggcagctgag
cactataagctgcagatggagaaaacccaaacacattatgatgccaagaagcagcagaaccaagagctgcaggagcagct
gcggagcctggagcagctgcagaaggaaaacaaagagctgcgagctgaagctgaacggctggggccatgggccaagcag
ctggcctgaagaccaaggaggtgaacagacctgccgccaccttactgccaggtgcgagcctggaggcacaggttggc
catgcagaccagcagcttcgagacctgggcaaattccagggtggcaactgatgctttaagagccgtgagccccaggctaa
gccccagctggacttgagtattgacagcctggatctgagctgcgaggaggggacccccactcagtatcaccagcaagctgc
ctcgtaccagccagacggcaccagcgtccctggagaaccagcctcacctatctcccagcgcctgccccccaaggtagaa
tccctggagagttcttacttccatccctgctcggagtcaggccccctggagagcagcctggactccctgggaga
cgtcttctggactcgggtcgtaagaccgctccgctcgtcggcgaccacgcagatcatcaacatcaccatgaccaaga
agctagatgtggaagagccagacagcggcaactcatcggtctacagcagcggtctgctcctgcttcccaggctagcctg
cgagcacctccttactcagttcttactcgtcgtcgttctcccgtattatggcaactcagcctgctcagcttgcctgg
ctaccgccccaccactcgcagttctgctcgtcgttcccaggccggggtgtccagtggggcccctccagggaaggaaacagct
tctacatgggcacttgccaggatgagcctgagcagctggatgactggaaccgcattgcagagctgcagcagcgcaatcga
gtgtgccccccacatctgaagacctgctatcccctggagtcaggcccttccctgagcctgggcaccatcacagatgagga
gatgaaaactggagaccccccaagagacctgcgcccagccagcatgcagccaatccagatagccgagggcactggcatca
ccaccggcagcagcgcaaacgggtctccctagagccccaccaggggccctggaactcctgagttcagaaggccaccagc
tggttcccacgccccatgactccccgagaccgacatgaaggcgcaaacagagcactactgaggcccagaagaagcagc
tccagcttctactaaacaggctgaccggcgccagtcgatggccttcagcatcctcaacacaccaagaagctagggaca
gccttctgcgggggggagcctcaaagaaggccctgtccaaggcttcccccaacactcgcagtggaaccgcgcttctccg
cgcattgccaccaccacagccagtgccgccactgctgccgccattgggtgccaccctcgagccaagggaaggcaagca
ctaaaggggccagtagcagtgagtgccccacctgtgtcccgatgctgccgtcacctggtcctccgctactgtccctct
cagtgcccttctctcagctcccaggccaacagtagccaaacccctagagacagtgatgctgcccgcacctggcctggcc
cctggtccttactggcgcttctcggagctggcccagggggcctggagcatggacagtggtggcgctctccctaccttg
cctccttttttcttaaagcaaagtcacttctccatcacaaccagatttgaggctggttttgatggctgggtccttgggccc
tggccagcttctccttagcctctggatctagaagggaaccataagaggagtaggcccctggttctgctgctcctgggtggt
gggccagcagggggccctcactcttgaagtccaggactgggtctgacctgggtgggagcacctgccagaggatgctctttcc
caggacggatgggcccctgtgtctcaggagtggggttgggggacagccttcagcagcagctcacaccctaccttcccaga
cttgactgggggtgggatttggagtgatgggaagggttttaagggccggggatggatcttttctaaatgttattactgt
aaataaagtctatttt

FIGURE 10A

NP_000192 [gi:4557878] intercellular adhesion molecule 1 precursor; CD54 [Homo sapiens]

MAPSSRPALPALLVLLGALFPGPGNAQTSVSPSKVILPRGGSVLVTCSTSCDQPK
LLGIETPLPKKELLPGNNRKVYELSNVQEDSQPMCYSNCPDGQSTAKTFLTVY
WTPERVELAPLPSWQPVGKNLTLRCQVEGGAPRANLTVVLLRGEKELKREPAV
GEPAEVTTTTLVRRDHHGANFSCRTDLRPQGLELFENTSAPYQLQTFVLPATP
PQLVSPRVLEVDTQGTVVCSLDGLFPVSEAQVHLALGDQRLNPTVTYGNDSFSA
KASVSVTAEDEGTQRLTCAVILGNQSQETLQTVTIYSFPAPNVILTKPEVSEGTEV
TVKCEAHPRAKVTLNGVPAQPLGPRAQLLLKATPEDNGRSFSCSATLEVAGQLI
HKNQTRELRLVLYGPRLDERDCPGNWTWPENSQQTPMCQAWGNPLPELKCLKD
GTFPLPIGESVTVTRDLEGTYLCRARSTQGEVTREVTNVLSPRYEIVIITVVAAA
VIMGTAGLSTYLYNRQRKIKKYRLQQAQKGTMPMKPNTQATPP

FIGURE 10B

NP_001535 [gi:4504561] intercellular adhesion molecule 4 isoform 1 precursor; Landsteiner-Wiener blood group protein [Homo sapiens].

MGSLFPLSLLFFLAAAYPGVGSALGRRTKRAQSPKGSPLAPSGTSVPFWVRMSPE
FVAVQPGKSVQLNCSNSCPQPQNSSLRTPLRQGKTLRGPGWVS YQLLDVRAWSS
LAHCLVTCAGKTRWATSRITAYKPPHSVILEPPVLKGRKYTLRCHVTQVFPVGY
LVVTLRHGSRVIYSESLERFTGLDLANVTLT YEFAAGPRDFWQPVICHARLNLDG
LVVRNSSAPITLMLAWSPAPTALASGSIAALVGILLTVGAAYLCKCLAMKSQA

FIGURE 10C

NP_003250 [gi:12545404] intercellular adhesion molecule 5 precursor;
telencephalin [Homo sapiens].

MPGPSPGLRRALLGLWAALGLGLFGLSAVSQEPFWADLQPRVAFVERGGSLWL
NCSTNCPRPERGGLETSLRRNGTQRGLRWLARQLVDIREPETQPVCFRCARRTL
QARGLIRTFQRPDRVELMPLPPWQPVGENFTLSCRVPGAGPRASLTLTLLRGAQE
LIRRSFAGEPPRARGAVLTATVRLARREDHGANFSCRAELDLRPHGLGLFENSSAP
RELRTFSLSPDAPRLAAPRLLEVGSERPVSCTLDGLFPASEARVYLALGDQNLSPD
VTLEGDAFVATATATASAEQEGARQLICNVTLGGENRETRENTIYSFPAPLLTL
SEPSVSEGQMVTVTCAAGTQALVTLEGVPAAVPGQPAQLQLNATENDDRRSFFC
DATLDVDGETLIKNRSAELRVLYAPRLDDSDCPRSWTWPEGPEQTLRCEARGNP
EPSVHCARSDGGAVLALGLLGPVTRALSGTYRCKAANDQGEAVKDVTLTVEYA
PALDSVGCPERITWLEGTEASLSCVAHGVPPPDPVICVRSGELGAVIEGLLRVARE
HAGTYRCEATNPRGSAAKNVAVTVEYGPREFEPCPSNWTWVEGSGRLFSCEV
DGKPQPSVKCVGSGGATEGVLLPLAPPDPSPRAPRIPRVLAPGIYVCNATNRHGS
VAKTVVVS AESPPEMDESTCPSHQTWLEGAEASALACAARGRPSPGVRCSREGIP
WPEQQRVSREDAGTYHCVATNAHGTD SRTVTVGVEYRPVVAELAASPPGGVRP
GGNFTLTCRAEA WPPAQISWRAPPGALNIGLSSNNSTLSVAGAMGSHGGEYECA
RTNAHGRHARRITVRVAGPWLWVAVGGAAGGAALLAAGAGLAFYVQSTACKK
GEYNVQEAESSGEAVCLNGAGGGAGGAAGAEGGPEAAGGAAESPAEGEVFAIQ
LTSA

FIGURE 11

NP_002744 [gi:4506081] mitogen-activated protein kinase 10 isoform 1; JNK3 alpha protein kinase; stress activated protein kinase beta; MAP kinase; c-Jun kinase 3; c-Jun N-terminal kinase 3; stress activated protein kinase JNK3 [Homo sapiens].

MSLHFLYYCSEPTLDVKIAFCQGFDKQVDVSYIAKHYNMSKSKVDNQFYVSVEVG
DSTFTVLKRYQNLKPIGSGAQQGIVCAAYDAVLDRNVAIKKLSRPFQNTAKRA
YRELVLMKCVNHKNIISLLNVFTPQKTLEEFQDVYLVMEMLMDANLCQVIQMELD
HERMSYLLYQMLCGIKHLHSAGIIHRDLKPSNIVVKSDCTLKILDFGLARTAGTSF
MMTPYVVTRYRAPEVILGMGYKENVDIWSVGCIMGEMVRHKILFPGRDYIDQ
WNKVIEQLGTPCPEFMKKLQPTVRNYVENRPKYAGLTFPKLFPDSLFPADSEHN
KLKASQARDLLSKMLVIDPAKRISVDDALQHPYINVWYDPAEVEAPPPQIYDKQ
LDEREHTIEE WKELIYKEVMNSEEKTKNGVVKGQPSPSAQVQQ

Additional isoforms are isoform 2 (NP_620448); isoform 3 (NP_620446); isoform 4 (NP_620447)

FIGURE 12

NP_055893: KIAA0861

MLSCLKEEMPPQELTRRLATVITHVDEIMQQEVRPLMAVEIIEQLHRQFAILSGGR
GEDGAPIITFPEFSGFKHIPDEDFLNVMTYLTIPSVEAASIGFIVVIDRRRDKWSSV
KASLTRIAVAFPGNLQLIFILRPSRFIQRFTFDIGIKYYRNEFKTKVPIIMVNSVSDL
HGYIDKSQLTRELGGTLEYRHGQWVNHRTAIENFALTlkTTAQMlQTFGSClAT
AELPRsMLSTEDLLMSHTRQRDKLQDELKLLGKQGTTLLSCIQEPATKCPNSKLN
LNQLENVTTMERLLVQLDETEKAFSHFWSEHHLKLNQCLQLQHFEHDFCKAKL
ALDNLLEEQAFTGIGDSVMHVEQILKEHKKLEEKsQEPLKAQLLALVGDQLIQ
SHHYAADAIRPRCVELRHLCDDFINGNKKKWDILGKSLEFHRQLDKVSQWCEAG
IYLLASQAVDKCQSREGVDIALNDIATFLGTVKEYPLLSPKEFYNEFELLLTLDAK
AKAQKVLQRLDDVQEIFHKRQVSLMKLAAKQTRPVQPVAPHPESSPKWVSSKTS
QPSTSVPLARPLRTSEEPYTETELNSRGKEDDETKFEVKSEEIFESHHERGNPELEQ
QARLGDLSPRRRIIRDLLETEElYIkeIKSIIDGYITPMDFIWLKHLIPDVLQNNKDF
LFGNIRELYEFHNRTFLKELEKCAENPELLAHCFLKRKEDLQIYFKYHKNLPRAR
AIWQECQDCAYFGVCQRQLDHNLPFKYLKGPSQRLIK YQMLLKGLLDFESPED
MEIDPGELGGS AKDGPKRTKDSAFSTELQQALAVIEDLIKSCELAVDLAAVTECP
DDIGKLGLLLLHGPFsVWTIHKDRYKMKDLIRFKPSQRQIYLFERGIVFCKIRMEP
GDQGLSPHYSFKKTMKLMTLSIRQLGRGSHRKFEIASRNGLEKYILQAASKEIRD
CWFSEISKLLMEQQNNIKDQGNPQFEMSTSKGSGAGSGPWIKNMERATTskEDP
ASSTGGIKGCSSREFSSMDTFEDCEGAEDMEKESSALSLAGLFQSDDSHETCSSKS
AFLERGESSQGEKEERDEEETATRSTEEERAGASTGRLAPAGATAGFQARALRPR
TSAQES

FIGURE 13

NP_006176 [gi: 5453820] nuclear mitotic apparatus protein 1 [Homo sapiens].

MTLHATRGAALLSWVNSLHVADPVEAVLQLQDCSIFIKIIDRIHGTEEGQQILKQP
VSERLDFVCSFLQKNRKHPSSPECLVSAQKVLEGSELELAKMTMLLLYHSTMSS
KSPRDWEQFEYKIQAEALAVILKFVLDHEDGLNLNEDLENFLQKAPVPSTCSSTFP
EELSPPSHQAKREIRFLELQKVASSSSGNNFLSGSPASPMGDILQTPQFQMRRLKK
QLADERSNRDELELELAENRKLLTEKDAQIAMMQQRIDRLALLNEKQAASPLEP
KELEELRDKNESLTMRLHETLKQCQDLKTEKSQMDRKINQLSEENGDLSEFKLRE
FASHLQQLQDALNELTEHHSKATQEWLEKQAQLEKELSAALQDKKCLEEKNEIL
QGKLSQLEEHLSQLQDNPPQEKGEVLGDVLQLETLKQEAATLAANNTQLQARV
EMLETERGGQQAELLAERGHFEEKQQLSSLITDLQSSISNLSQAKEELEQASQA
HGARLTAQVASLTSELTTLNATIQQQDQELAGLKQQAQEKQAQLAQTLQQQEQ
ASQGLRHQVEQLSSSLKQKEQQLKEVAEKQEAQRQDHAQQLATAAEEREASLR
ERDAALKQLEALEKEKAALKLEILQQQLQVANEARDSAQTSVTQAQREKAELSRK
VEELQACVETARQEQHEAQAQVAEELQLRSEQQKATEKERVQEKDQLQEQL
QALKESLKVTKGSLEEEKRRAADALEEQQRCSISELKAETRSLVEQHKRERKELEE
ERAGRKGLEARLLQLGEAHQAETEVLRLRELAEMAAQHTAESECEQLVKEVAA
WRDGYEDSQQEEAQYGAMFQEQLMTLKEECEKARQELQEAKEKVAGIESHSEL
QISRQQNKLAELHANLARALQQVQEKEVRAQKLADDLSTLQEKMAATSKEVAR
LETLVRKAGEQQETASRELVKEPARAGDRQPEWLEEQQGRQFCSTQAALQAME
REAEQMGNELERLRAALMESQGGQQQEERGQQEREVARLTQERGRAQADLALEK
AARAELEMRLQNALNEQRVEFATLQEALAHALTEKEGKDQELAKLRGLEAAQI
KELEELRQTVKQLKEQLAKKEKEHASGSGAQSEAAGRTEPTGPKLEALRAEVSK
LEQQCQKQQEQADSLERSLEAERASRAERDSALETLQGQLEEKAAQELGHSQSAL
ASAQRELAFAFRTKVQDHKAEDWKAQVARGRQEAERKNSLISSLEEEVSILNR
QVLEKEGESKELKRLVMAESEKSQKLEESCACCRQRQPATVPQLQNAALLCGRR
CRASGREAEKQRVASENLRQELTSQAERAELGQELKAWQEKFFQKEQALSTLQ
LEHTSTQALVSELLPAKHLCQQQLQAEQAAAQEKRHREELEQSKQAAGGLRAELLR
AQRELGELIPLRQKVAEQERTAQQQLRAEKASYAEQLSMLKKAHGLLAENRGLG
ERANLGRQFLEVELDQAREKYVQELAAVRADAETRLAEVQREAQSTARELEV
TAKYEGAKVKVLEERQRFQEERQKLTAQVEELSKKLADSDQASKVQQQKLKAV
QAQGGESQQAQRFFQAQLNELQAQLSQKEQAAEHYKLQMEKAKTHYDAKKQQ
NQELQEQLRSLEQLQKENKELRAEAERLGHELQQAGLKTKEAEQTCRHLLTAQV
RSLEAQVAHADQQLRDLGKFQVATDALKSREPQAKPQLDLSIDSLDLSCEEGTPL
SITSKLPRTPDGTSPGEPASPIQRLPPKVESLESLYFTPIPARSQAPLESSLDSL
DVFLDSGRKTRSARRRTTQIINITMTKKLDVEEPDSANSSFYSTRSAPASQASLRA
TSSTQSLARLGSPDYGNSALLSLPGYRPTTRSSARRSQAGVSSGAPPGRNSFYMG
TCQDEPEQLDDWNRIAELQQRNRVCPPHLKTCYPLESRPSLSLGTITDEEMKTGD
PQETLRRASMPIQIAEGTGITTRQQQRKRVSLPHQGPGTPESKKATSCFPRPMT
RDRHEGRKQSTTEAQKKAAPASTKQADRRQSMASFILNTPKKLGNLSLLRRGASK
KALSKASPNTRSGTRRSPRIATTTASAATAAAIGATPRAKGKAKH

FIGURE 14

ICAM1, ICAM4 and ICAM5 Region

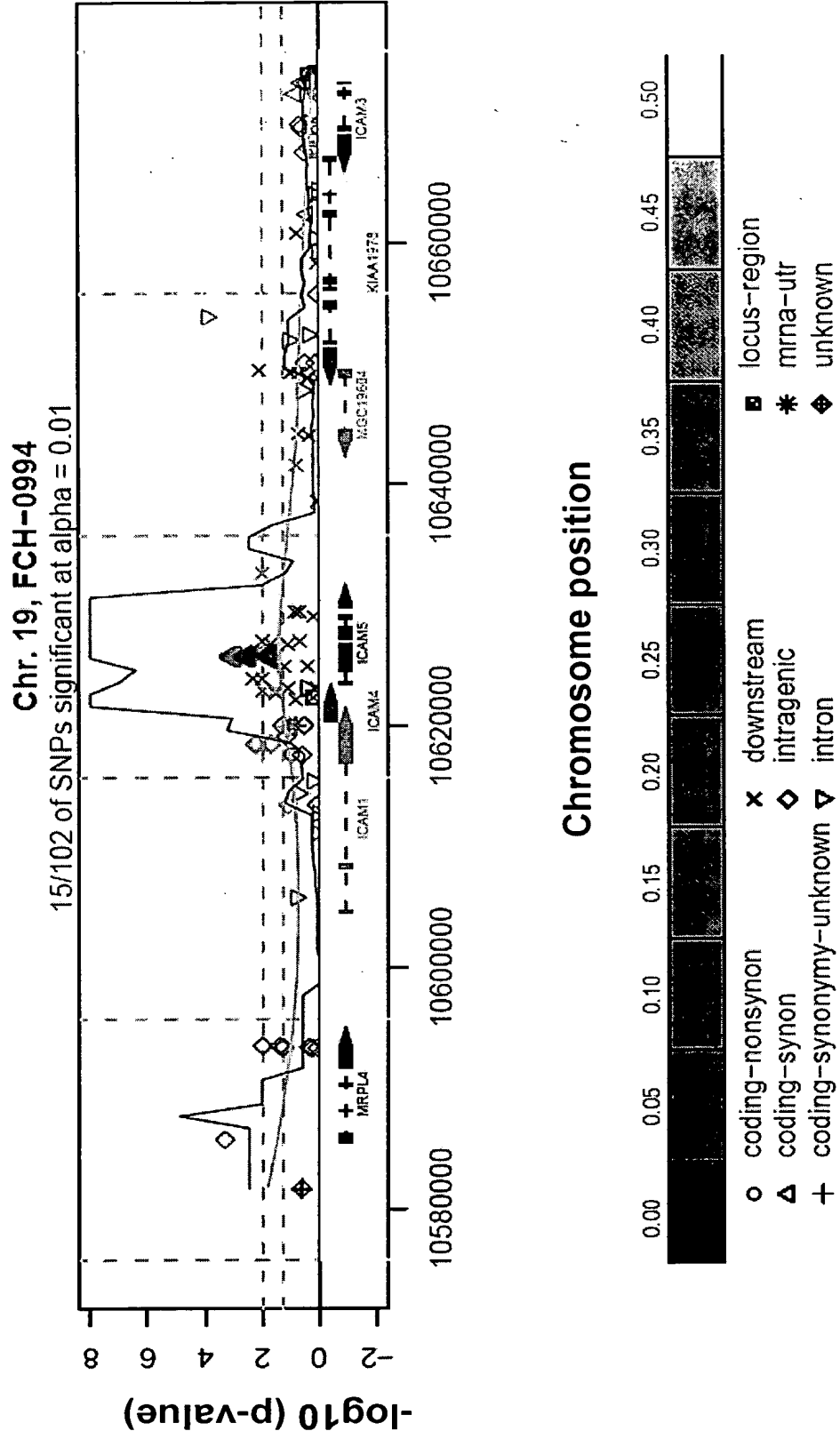
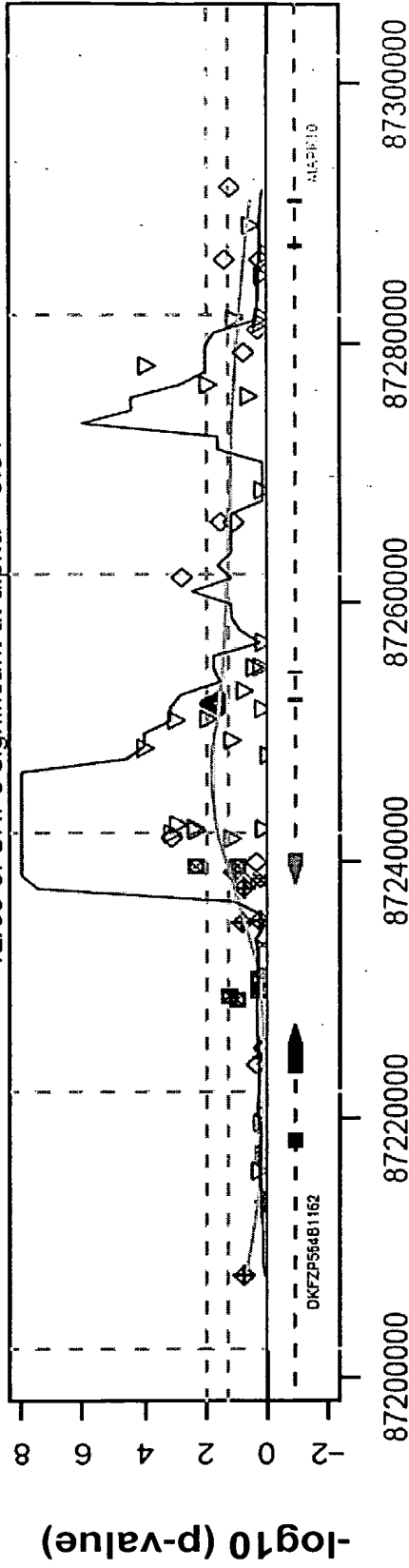


FIGURE 15

MAPK10

Chr. 4, GP04_091348915

12/65 of SNPs significant at alpha = 0.01



Chromosome position

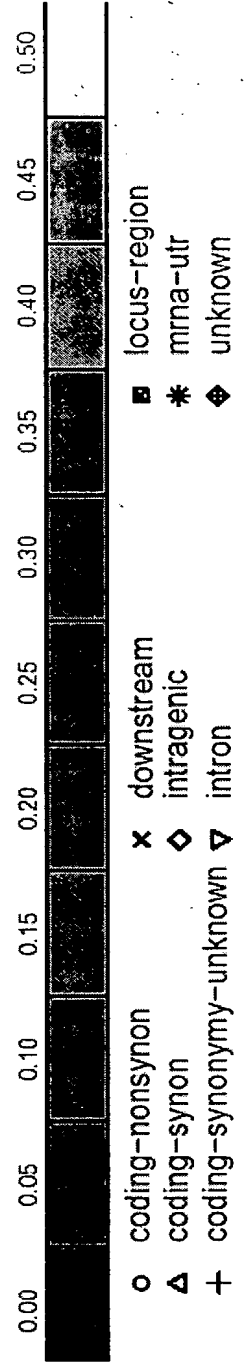
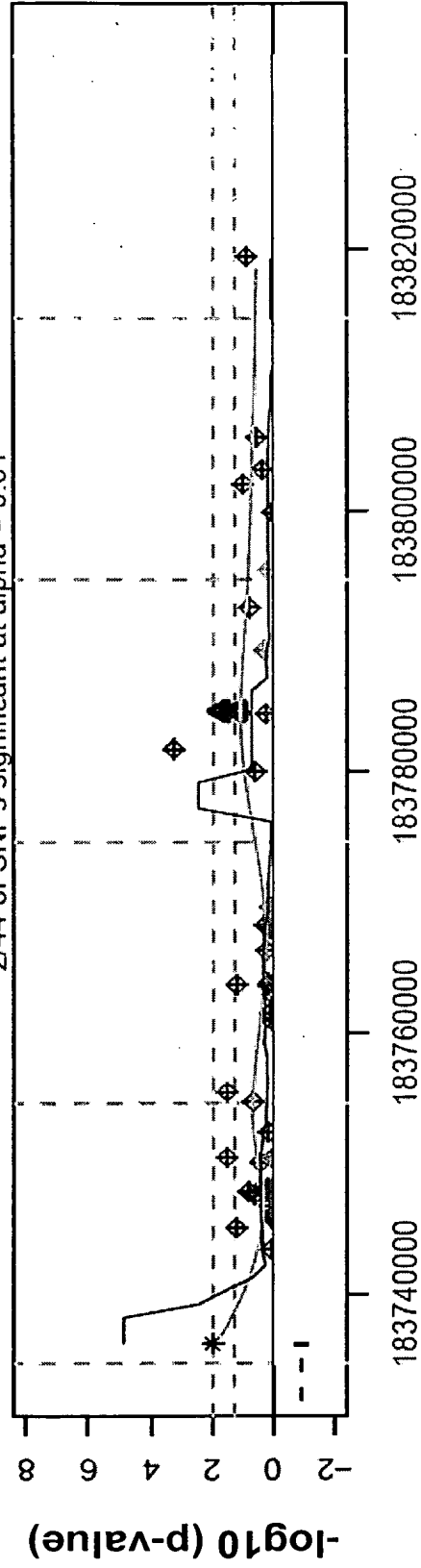


FIGURE 16

KIAA0861

Chr. 3, GP03_197942797
2/44 of SNPs significant at $\alpha = 0.01$



Chromosome position

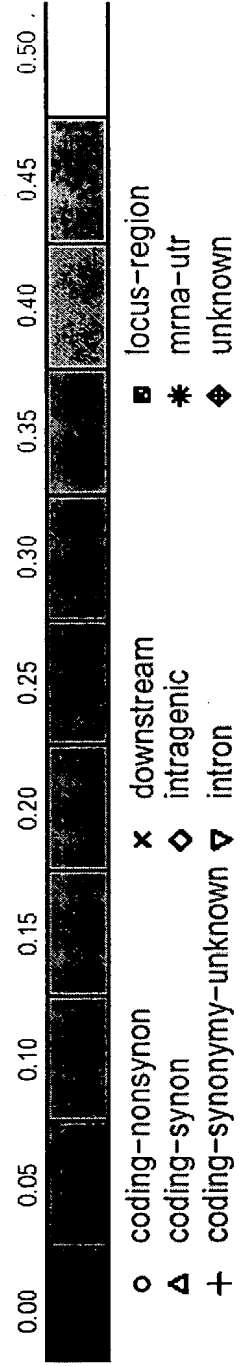


FIGURE 17

NUMA1/FLJ20625/LOC220074 region

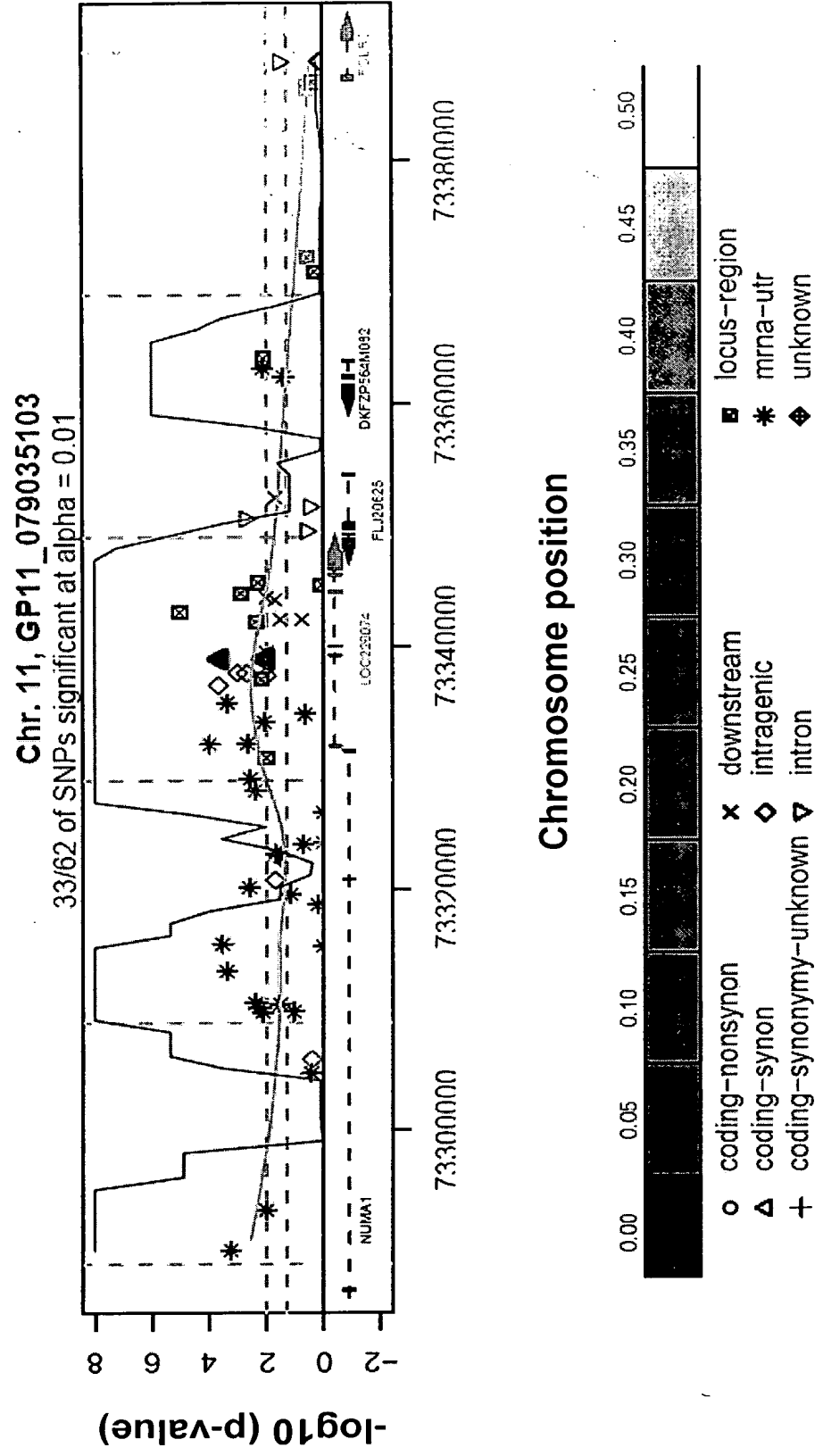


FIGURE 18

ICAM region Meta Analysis

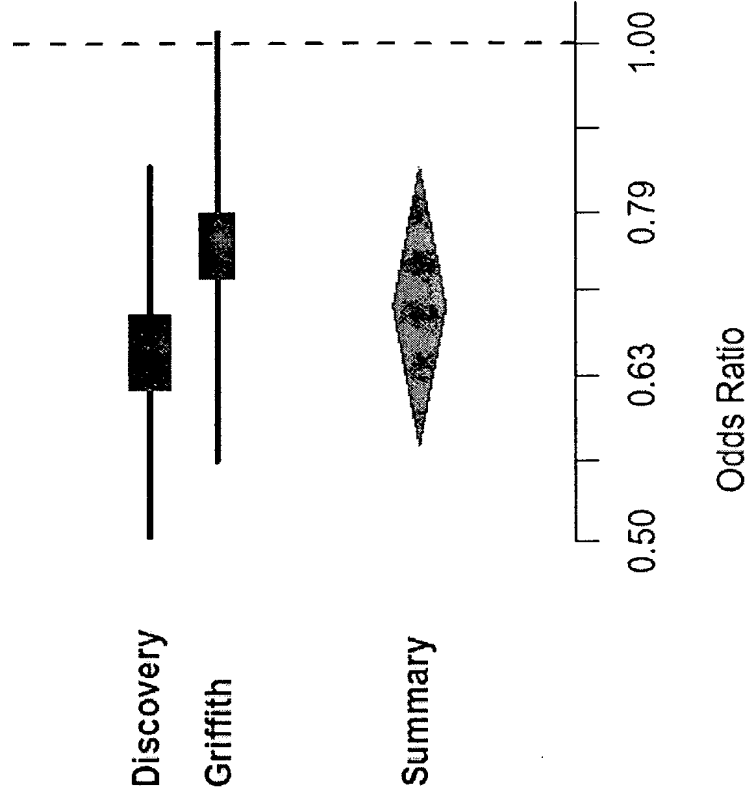


FIGURE 19

MAPK10 Meta Analysis

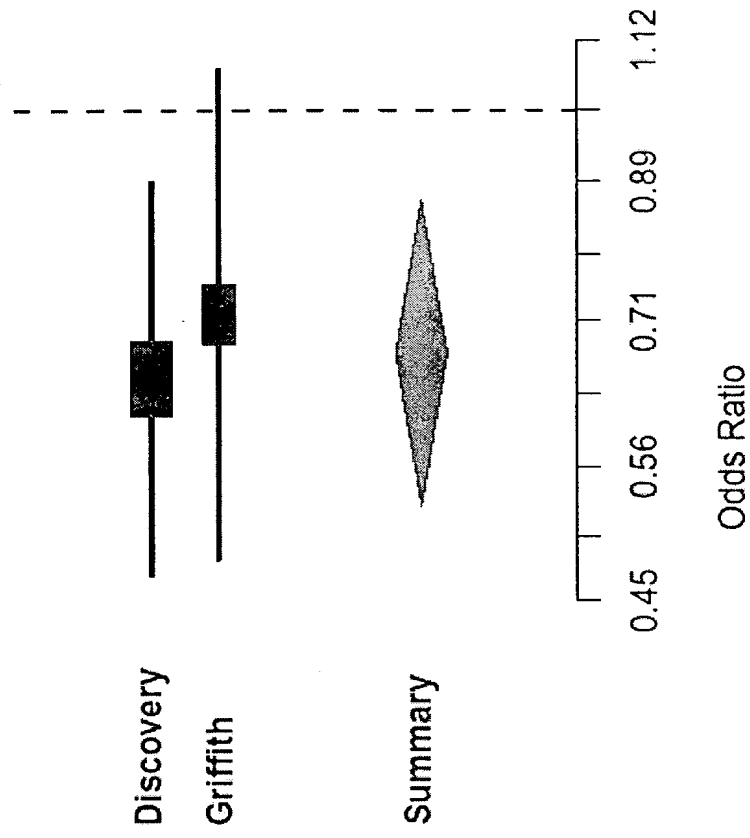


FIGURE 20

KIAA0861 Meta Analysis

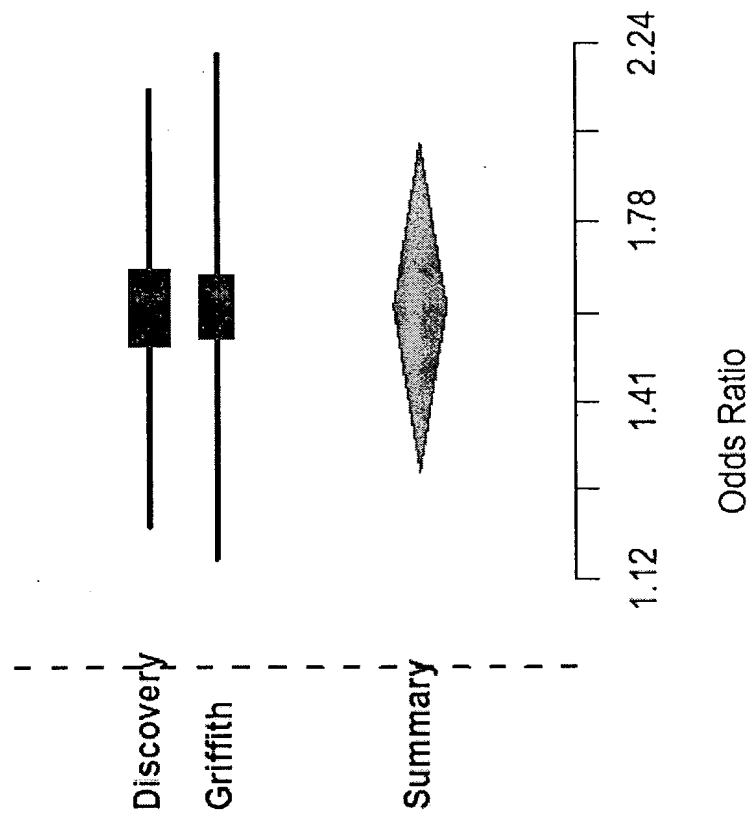


FIGURE 21

NUMA1/LOC220074/FLJ20625 Meta Analysis

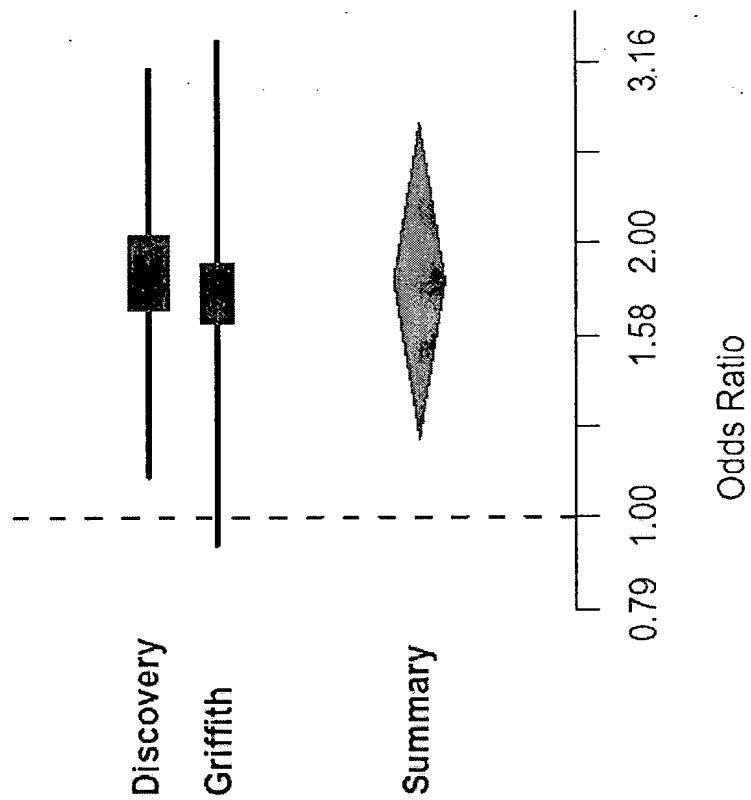


FIGURE 22

ICAM1 in MCF7 cells

